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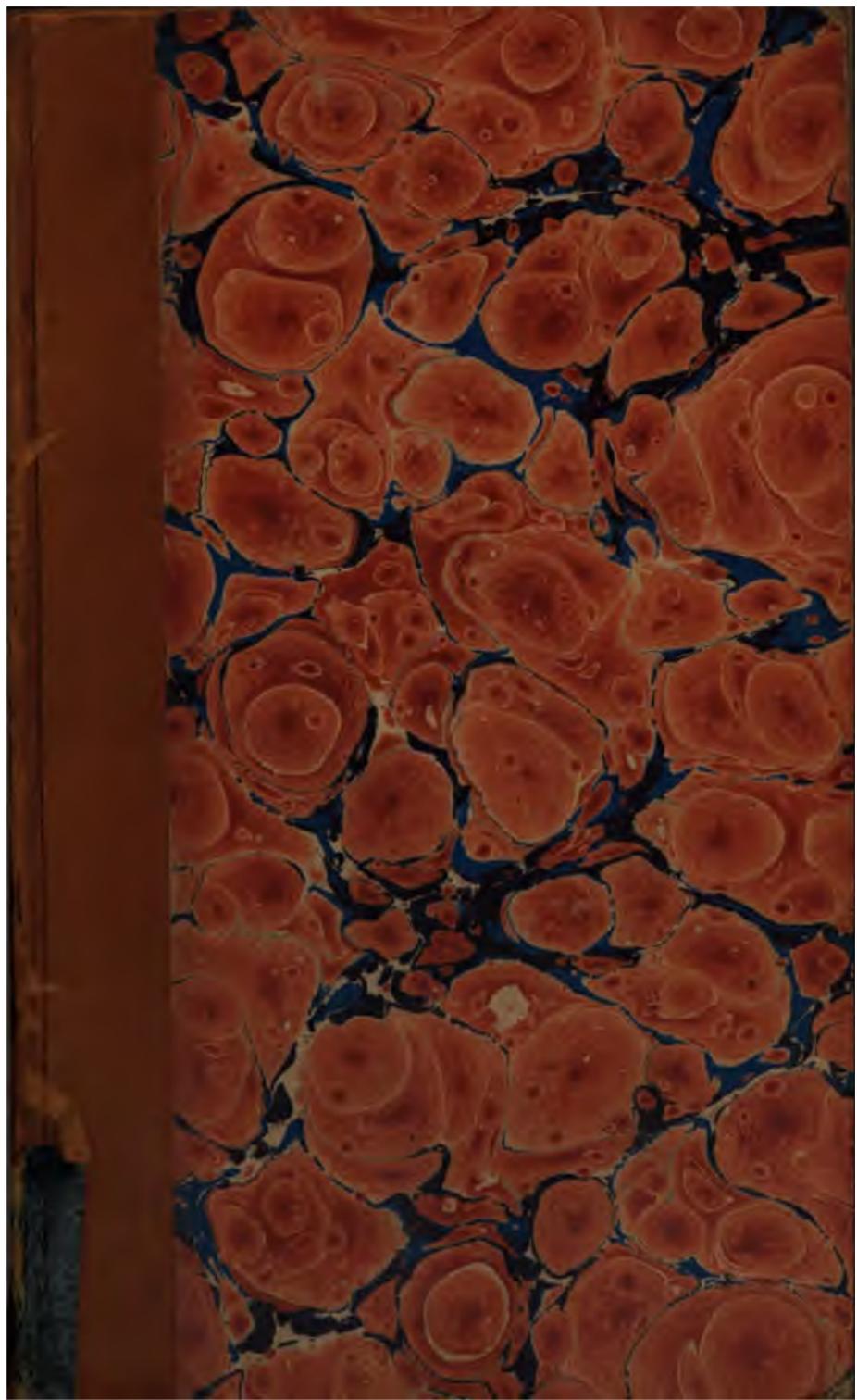
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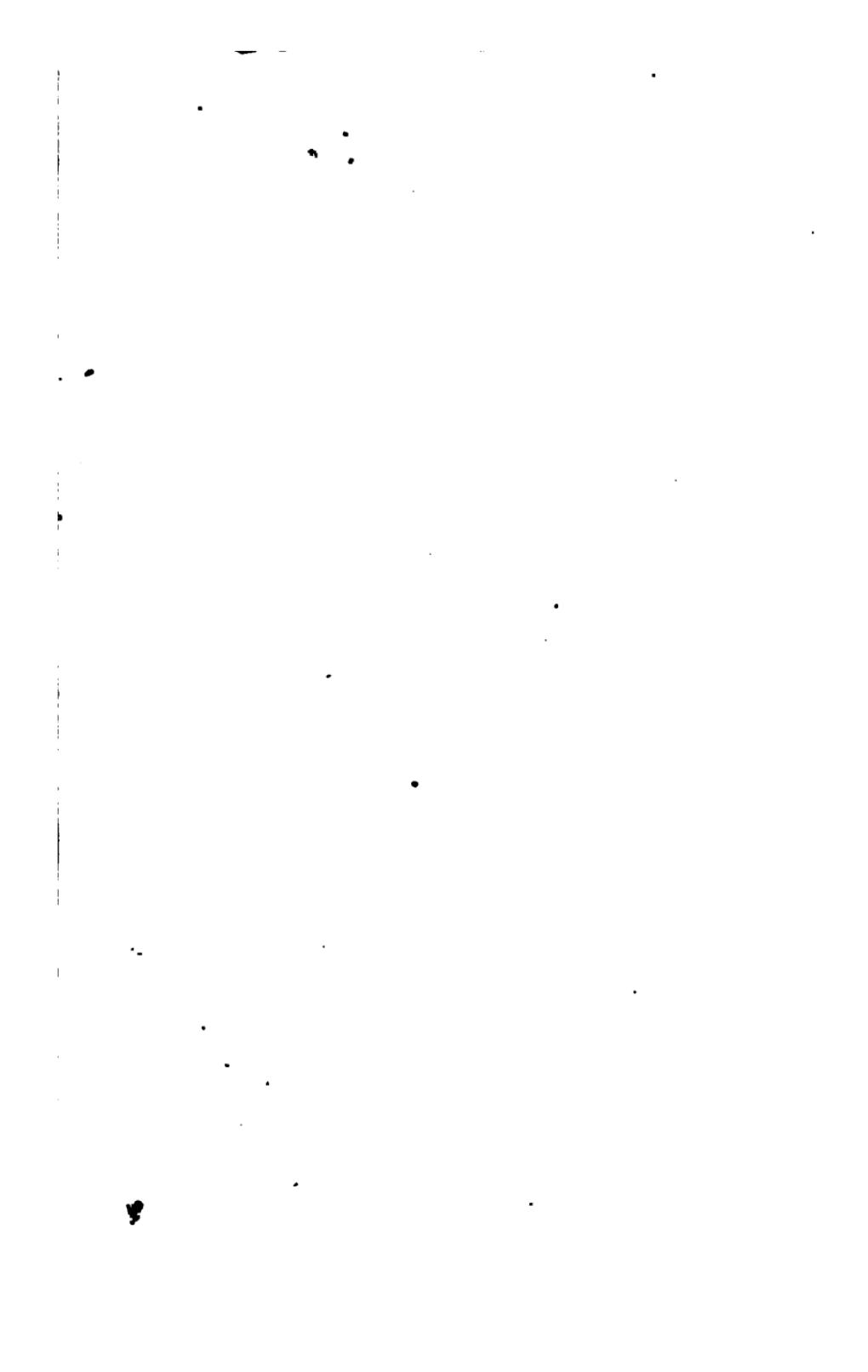
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THE
ENTOMOLOGIST'S COMPANION;

BEING

A GUIDE TO THE COLLECTION

OF

MICRO-LEPIDOPTERA,

AND COMPRISING

A CALENDAR

OF

THE BRITISH TINEIDÆ.



By H. T. STAINTON.

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P R E F A C E.

IN preparing my volume of the *Insecta Britannica* (which will appear early in 1853), I find that I shall be unable, from the limited space allowed, to give as much information of the habitats of species as many of my readers would like; and having been also applied to by several young Entomologists for hints and instruction, it occurred to me that a duodecimo volume combining these two requisites would supply a great desideratum, its small size enabling the Collector to take it with him on all excursions, and the due study of it affording a useful occupation when proceeding to his destination by railroad, &c.

As soon as the whole of the present Edition is sold off, I am prepared to publish a second, with all the additional information I can acquire in the meantime.

A similar Calendar of all the European *Tineidae* would be a great boon even to exclusively British Collectors, as it would contain the habitats of many species which probably only require to be looked for at the right time and in the right place to be found—the great bulk, however, of such a work,

and the slight prospect of any considerable sale in this country, deters me however from attempting it (at present).

For the amount of information contained in this little book I am much indebted to many of my correspondents, to whom I beg to return my thanks for the patience and readiness with which they have answered my numerous inquiries.

H. T. STAINTON.

MOUNTSFIELD, LEWISHAM,
December 1st, 1851.

INTRODUCTION.

THE object of this little volume is to supply rudimentary information to the incipient Entomologist, by instructing him when and where to look for insects; and when seen, how to catch them. For want of distinct instruction on these matters, a young Entomologist frequently wastes a great deal of time, which might otherwise have been employed with great advantage to science.

Of course different orders of insects, having different habits, are to be sought in different ways and at different times. To give full instruction therefore in the *when*, *where* and *how* to catch all orders of insects, an accurate acquaintance with the habits of all orders of insects would be necessary. I have therefore confined myself in the following pages to an account of the modes of capture, localities frequented and times of appearance of the MICRO-LEPIDOPTERA* inhabiting these islands.

For the assistance of the more advanced student of Entomology I have collated into a tabular form the times of appearance of all our known TINEIDÆ, and have then added under each separate month fuller details of the habitats of each species occurring during that month, whether in the states of larva, pupa or imago; by this means an industrious collector is at once reminded to look for each species at the proper time, and will not, as now too frequently happens, *begin to think of looking* for a species just when its period of appearance is over.

A few hints in conclusion on the method of rearing the larvæ, and of killing, pinning and setting the perfect insects, will not be unacceptable to the Entomological tyro.

* Or, to speak more correctly, of the *Tineidæ*, but the modes of capture of the *Tortricidæ* are precisely identical, and the localities frequented are also similar.

HOW TO CATCH MICRO-LEPIDOPTERA.

Of course the modes in which *Micro-Lepidoptera* might be caught are very numerous, but the best mode of capture is that by which the insects suffer least injury, and which takes up least time.

For this purpose, nothing seems to answer better than a ring or bag net of book-muslin, in which the moths are caught in the first place, and afterwards removed, each in a separate pill-box, to the coat pocket. Besides the ordinary ring net for catching moths on the wing, a sweeping net is of great use for brushing them from the herbage, and also for beating the branches of trees and hedges into it, since though a simple ring net *may* be used for both these purposes, its smaller size necessarily diminishes very greatly the number of insects which would be beaten into it, or swept off the herbage by it. I proceed to describe in detail these two kinds of nets, in order that those who like may be enabled to construct them for themselves.

The ring net consists of a stick, a brass ring, and a net; the stick should be about thirty-nine inches long, and bound at the top by a piece of brass; at the top is a small cavity in the wood, into which the ends of the ring fit, and may be made quite firm by adding wedges; the ring is of brass, ten or eleven inches in diameter, and about a quarter of an inch thick; it does not form a complete ring, being as it were cut open and the two ends turned down; these ends are flattened, and fit into the end of the stick; the net is of white book-muslin, with a double border of calico round the opening, through which the ring slides. The length, form and substance of the net are matters of primary importance; the length should be such, that while in a pendant position, and held in the left hand, the right hand should be able to reach to the bottom, comfortably; if it is too long it will have to be pulled up in order that the hand may reach the bottom, and this will so distort the shape of the net, that the collector will no longer be able to see the insect situated at the bottom of it; if the net is too short, many insects will be found to fly out of it before there is time to secure them in pill boxes, however much the collector may blow upon them to keep them from coming up; the net should be as wide at the bottom as at the top, or nearly so, and the corners rounded, as if there is a sharp corner (I have known Entomologists use a net terminating in a point) many insects will secrete themselves therein, and independently of the time occupied in dislodging them, they will be found when so dislodged considerably rubbed by their friction against the net. The substance of the

net is required to be tough, and at the same time not coarse or rough, and not with large openings. *Gauze* is not at all adapted for Entomological purposes, as it so easily tears, the first bramble bush frequently making a tremendous gap; *net* is also ill adapted for small moths, as they are no sooner in than out of the net, by creeping through the holes; *lino* is likewise rather too open, and is besides very readily torn, though not so much so as gauze; *book-muslin* has the advantage of not easily tearing, and being fine enough to prevent the smallest moths from creeping through it, and is therefore best adapted for Micro-Lepidopterists. The ring with the net on it may, for convenience of carriage, be placed up the back, that is, between the coat and waistcoat of the collector.

The sweeping net may, in Mr. Douglas's words, be constructed as follows:—

“Find a descendant of Tubal Cain that has ability to work neatly in brass, get him to make a figure of **Y** with brass tube, the trunk two inches and a half long, and five-eighths of an inch diameter, and each arm two inches and a quarter long, and three-eighths of an inch diameter. Into one of the small tubes put a tightly fitting cane, and bend it till it meets the other tube and forms a pear-shaped ring, twenty inches by fourteen inches diameter. For carrying, this ring may be rolled up, so that it will fit into a collector's hat, or better because firmer when made up, it may be cut into lengths of a foot (more or less), and when wanted for use they may be fitted together by means of pieces of brass tube slightly curved, and about four inches long. Then get a lady friend to make a bag net of book-muslin, rather *larger* than the ring, thirty inches long, and cut so that it hangs perpendicularly at the handle, tapering from the opposite point of the circumference, but rounded at bottom, *not going to a point*; round the top must be a band of brown holland, in which the cane can slide *easily*. A handle is made by fitting a walkingstick into the large tube.

“This net is very useful for sweeping grass, the edges of bushes, or anything that will not catch and tear it; it is also large enough to beat into furze bushes or hedges, and its size gives the collector great facility for catching insects on the wing.”

Having provided himself with one of these nets, and a beating stick, and a supply of pill boxes (for small moths $\frac{1}{2}$ drachms are quite large enough, and an ordinary pocket will hold 150 of these easily), the collector is equipped; but how, when he has caught a moth in his net, is he to proceed to get it into the pill box? There are several ways of doing this, but the best is as follows:—holding the net in the left hand, take with the right hand a pill box out of the pocket, and, raising it to the mouth, remove the lid by means of

the lips. Then dive down the net with the lidless box, and place it over the moth, which will be sitting, running or fluttering on the side of the net. The object now is to get the other hand at liberty, in order to put the lid on the box; for this purpose keep pressing the box against the side of the net, and gradually raise the right arm and lower the left hand, till the end of the stick rests on the ground, and the ring is itself supported by the right arm; then taking hold of the pill box from the outside of the net, with the left hand (thus still keeping it pressed against the side of the net), use the right hand to slip the lid suddenly between the box and the net. The insect being thus secured, the box may be removed to the pocket in which the filled boxes are contained. This process is rather complicated to describe, but is very simple in practice. Of course the actual mode of proceeding in boxing an insect from a sweeping net differs slightly from that above described, but the difference is so little that any beginner may easily put himself in the right method.

Moths that are sitting-on palings are easiest caught by putting a lidless box over them, and then very quickly passing the lid under it; moths that are on rough walls, or on the trunks of trees, may sometimes be caught in the same way, but it frequently answers better to start the insects first, and then catch them with the net.

WHERE TO CATCH MICRO-LEPIDOPTERA.

The places of resort of *Micro-Lepidoptera* are trees, hedges, heaths, open fields, &c., and palings. The main thing to be borne in mind is, that of all things they avoid wind. Wherever they are sought for, care must be taken to get as much as possible out of the wind. In searching on trees, the lee side of the trunk should be examined, and the boughs on the same side beaten. In searching among hedges, the best mode of proceeding is to beat the hedge on the sheltered side (whether it be the sunny side or not). On heaths, open fields, &c., advantage should be taken of any undulations in the ground to find the most sheltered spot. Of course in all these places the less wind the better (except, perhaps, for the trunks of trees); and in open fields, tops of mountains, chalk downs and sandy coasts, it cannot be too calm. But with regard to palings (by which I mean the wooden park palings so common in the South of England), the more wind the better, as the insects get blown out of the trees and underwood, and take refuge on the lee side of a paling. A gale about Midsummer enables the collector to fill his boxes without much

trouble, if he only have a good paling in his neighbourhood, for moths have particular predilections, and will not settle upon every paling.

Many insects may be obtained by smoking their retreats. If a weedy bank or thick bush be well saturated with the smoke of tobacco, the insects concealed therein will come creeping out in a semi-sluggish state, and may be easily caught in pill boxes.

A collector wishing thoroughly to explore the Entomology of his district, had better, for a considerable period, confine his attention to one piece of ground, trying it in every way, and learning to know at once which spots will afford the best shelter, according as the wind may happen to blow from different quarters.

WHEN TO CATCH MICRO-LEPIDOPTERA.

This may be viewed in two ways, viz. at what hour of the day to catch them, and at what time of the year to catch them. The latter point of view is elaborated in detail in the Calendar of British *Tineidae*, at p. 25; here the best hours of capture only are considered.

Many species fly in the early dawn; but as that time of the day answers the collector best for the purpose of setting out his previous captures (his head being cooler and his hand steadier than later in the day), it is not particularly desirable to squander it in making fresh captures. Some species fly in the middle of the day, during the hottest sunshine; but the greater number lie quiet during the day, and are often not even to be beaten out; but a short time before sunset they begin to fly, and will generally be found freely on the wing till quite dusk. Some species are later in their appearance, and do not fly till after dark; these may frequently be obtained by means of a strong light placed at an open window, by which they are attracted and brought within our reach.

TO COLLECT THE LARVÆ OF MICRO-LEPIDOPTERA.

For this purpose carry a small tin canister of convenient size for the pocket, and place in it all the larvæ collected, with their proper food. It is of importance to keep their food fresh as long as possible, especially in the case of those larvæ which mine in the interior of leaves, and nothing answers so well as a tight fitting tin canister for keeping the food fresh. The larvæ of *Micro-Lepidoptera* feed in a very great variety of ways, and on almost every form of vegetable substance. As the larvæ of different genera have frequently peculiar modes of feeding, I proceed to

enumerate the mode of feeding of the larvae of the different genera of *Tineidae* with which we are sufficiently acquainted. Where the mode of feeding is the same throughout a whole genus (as in *Coleophora* and *Lithocletis*), it will not require to be repeated in the Calendar.

Chilo.—In the stems of reeds, grasses, &c.

Crambus.—On moss, and in the roots of moss; feed by night.

Eudorea.—In moss.

Galleria, Aphomia and *Achroea*.—In the combs of bees.

Nephopteryx and *Pempelia*.—In the fruits of trees, and between the leaves of trees and plants.

Anerastia.—Among grasses.

Ephestia.—On all kinds of dry fruits, &c.

Homazosoma.—In the stems? and on the seeds of plants.

Acrobasis.—Between the leaves of shrubs and trees, and in the fruits.

Myelois.—In stems, fruits, and on the leaves of trees and shrubs.

Nearly all the larvae of the preceding genera construct silky tubular galleries, in which they conceal themselves when not actually feeding.

Exapate, Chimabacche and *Semioscopis*.—On the leaves of trees.

Taleporia.—In cases on the lichens, on the stems of trees, palings, &c.

Tinea.—The greater part live in cases on lichens, plants, fungi, grain, furs, clothes, &c.; some live in open webs (not in cases) on the leaves of bushes.

Ochsenheimeria.—On grass.

Adela.—In cases on low plants.

Euplocamus.—In fungi.

Plutella.—On the leaves of trees and shrubs.

Ypsolophus and *Anarsia*.—On the shoots of shrubs and plants.

Ecphora.—In rotten wood, in seeds, &c.

Hypnomenuta.—Gregariously in webs on bushes.

Pseudadia.—On the leaves of boragineous plants.

Orthotelia.—In the stems of aquatic plants.

Depressaria.—In the rolled up leaves, flower heads and seeds of *Umbellifera*, and in the young shoots of various shrubs and plants.

Carcina.—Under the leaves of trees.

Gelechia.—In the young shoots of plants, trees, &c.; in the seeds and seed pods; on grass, &c.; in the leaves of plants, mining between the skins, and in various other ways.

Röslerstammia.—In the leaves of plants, mining between the skin.

Argyresthia.—In the young budding shoots of shrubs and trees.

Coleophora.—In cases attached to the underside of the leaves of plants and trees, devouring the inner substance only, thus discolouring the leaves.

Gracilaria.—In twisted cones, formed of a portion of a leaf rolled up, and placed on the surface of the other portion, either above or below; also mining in the leaves of plants.

Coriscium.—In rolled up leaves, and mining in the leaves of trees and shrubs.

Ornix.—In the turned down sides and corners of the leaves of trees and shrubs.

Elachista.—On the leaves of plants, and also mining in the leaves of plants and in the stems of grass.

Lyonetia and *Phyllocoptis*.—Mining in the leaves of trees and bushes.

Cemiostoma.—Under the bark of shrubs, or mining in the leaves of trees and plants.

Buccularia.—On the underside of the leaves of trees and shrubs.

Nepticula.—Mining in circuitous wavy tracks in the leaves of trees and shrubs.

Tischeria.—Mining in great blotches in the leaves of trees and shrubs.

Lithocolletus.—Mining in the leaves of trees and shrubs, distorting more or less the shape of the leaf by curving it.

In all cases the parts mined by these mining larvæ are more or less discoloured, frequently producing white or whitish blotches.

The hairy larvæ of *Pterophorus* feed on the shoots of plants, and under or on the leaves.

In the following table the letters *L*, *P* and *I* signify that the insect is to be met with in the larva, pupa and imago states in the respective months.

With regard to those species where neither *L* nor *P* occurs, the transformations of the insect are unknown, or, if they have been observed, they have not been recorded (or, in some few cases, though recorded, the month of appearance has not been mentioned). I hope that any Entomologist, whether already known to me or not, will, on discovering the transformations of any of these species, communicate to me (or, if he prefers, to the Editor of the "Zoologist,"*) the interesting fact, in order that it may not again pass into oblivion. The number of the commonest species with the transformations of which we are entirely unacquainted is enormous, as may be easily seen from this table.

* The "Zoologist," (edited by E. Newman, 9, Devonshire Street, Bishopsgate); a very useful monthly magazine, with interesting notices in all branches of Zoology, and, in a science of such rapid progress as Entomology, indispensable to the beginner, as the latest books on the subject are very far behind the present state of the science.

TABLE OF APPEARANCE

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
CHILO—												
phragmitellus	L	L	L	L	P	I	I	I	..	..	..	..
gigantellus	L	L	I	I	..	..	..	..
forficellus	L	L	L	L	P	I	I	I	..	..	..	..
mucronellus	I	..	..	..	..	..	..
CRAMBUS—												
hamellus	I	..	..	..	..
dumetellus	I	I	..	..	..	..	..
pratellus	I	I	I	..	..	..	..	..
pascuellus	I	I	I	..	..	..	..	..
uliginosellus	I	..	..	..	..	..	..	..
silvellus	I	I	..	..	..	..
ericellus	I	..	..	..	..
hortuellus	L	L	..	..	I	I	I	..	..	..	..	..
cerussellus	I	I	..	..	..	..	..
rorellus	I	..	..	..	..	..	..
chrysonuchellus	I	I	..	..	..	..	..	..
falsellus	L	L	L	L	P, I	I	..	..	..	..
pinetellus	I	I	..	..	..	..
latistrius	I	..	..	..	..
margaritellus	I	I	..	..	..	..
Lapponicellus	I	..	..	..	..	..
Pedriolellus	I	..	..	..	..	..
culmellus	I	I	..	..	..	..
inquinatellus	I	I	..	..	..	..
geniculeus	I	..	..	..	..
contaminellus	I	..	..	..	..
tristellus	L	L	..	..	..	I	..	I	I	..
selasellus	I	I	..	I	I	..
perrellus	I	I	..	..	I	..	..
Warringtonellus	I	..	..	..	..	..
lithargyrellus	I	..	..	..	..
EUDOREA—												
Græcella	I	I	..	..	..	..
ambigualis	I	I	..	..	..	..	..
pyralella	I	I	I	..	..	..	..
truncicolella	I	..	..	..	..
cratægella	I	I	I	..	..	..	..
frequentella	I	I	I	..	..	..	..
concinella	I	I	I	..	..	..	..
Portlandica	I	I	I	..	..	..	..
delunella	I	I	I	..	..	..	..
murana	I	I	I	..	..	..	..
lineolea	I	..	..	..	..

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
EUDOREA—								I	I			
<i>coarctata</i> .....	..	..	..	..	..	..	..	..	..	..	..	..
<i>pallida</i> .....	..	..	..	..	..	I	..	..	..	..	..	..
GALLERIA—												
<i>mellonella</i> .....	..	..	..	L	L	I	I	L	I	..	..	..
APHOMIA—												
<i>colonella</i> .....	..	..	..	..	I	I	I	L	..	..	..	..
MELISSOBLAPTES—												
<i>bipunctanus</i> .....	..	..	..	..	..	I	I	..	..	..	..	..
ACHROEA—												
<i>grisella</i>	L	L	L	L	L	P	I	L	L	I	..	..
NEPHOPTERYX—												
<i>abietella</i> .....	..	..	..	L	L, I	I	I	..	..	..	..	..
<i>roborella</i> .....	..	..	..	..	L	I	I	..	..	..	..	..
PEMPELIA—												
<i>carnella</i> .....	..	..	..	..	..	..	I	I	..	..	..	..
<i>dilutella</i> .....	..	..	..	..	..	L, I	I	..	..	..	..	..
<i>ornatella</i> .....	..	..	..	..	..	..	I	I	..	..	..	..
<i>carbonariella</i> .....	..	..	..	..	I	I	..	..	..	..	..	..
<i>perfluenta</i> .....	..	..	..	..	..	I	I	..	..	..	..	..
<i>adelphella</i> .....	..	..	..	..	I	..	..	..	L	L	..	..
<i>betulae</i> .....	..	..	..	..	L	I	I	..	..	..	..	..
<i>palumbella</i> .....	..	..	..	..	..	..	I	..	..	..	..	..
ANERASTIA—												
<i>lotella</i> .....	..	..	..	L	L, I	..	..	..	..	..	..	..
<i>Farrella</i> .....	..	..	..	..	I	..	I	..	..	..	..	..
EPHESTIA—												
<i>elutella</i> .....	..	..	..	..	..	I	I	L	L	L	..	..
<i>semirufa</i> .....	..	..	..	..	..	I	..	..	..	..	..	..
<i>interpunctella</i> .....	..	..	..	..	..	..	..	L	I	..	..	..
HOMOSOMA—												
<i>nebulella</i> .....	..	..	..	..	I	I	I	I	..	..	..	..
<i>nimbella</i> .....	..	..	..	..	I	I	I	L	L	..	..	..
<i>eluviella</i> .....	..	..	..	..	I	I	I	..	..	..	..	..
<i>sinuella</i> .....	..	..	..	..	I	..	..	..	..	..	..	..
ACROBASIS—												
<i>consociella</i> .....	..	..	..	L	L, I	I	..	..	..	..	..	..
<i>tumidella</i> .....	..	..	..	L	L, I	I	..	..	..	..	..	..
<i>angustella</i> .....	..	..	..	..	I	L	..	I	L	..	..	..
CRYPTOBLABES—												
<i>bistriga</i> .....	..	..	..	..	I	I	..	..	..	..	..	..
MYELOIS—												
<i>cribrum</i>	L	L	L	L	L	I	I	I	..	L	L	L
<i>suavella</i> .....	..	..	..	..	L	I	I	..	..	..	..	..

TABLE OF APPEARANCE

	Jan	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
MYELOIS—												
advenella .....	..	..	..	L	I	I	..	..	..	..	..	..
epelydella .....	..	..	..	L	I	I	..	..	..	..	..	..
ceratoniæ .....	..	..	..	L	L	I	..	..	..	..	..	..
pinguis .....	..	..	..	..	L	I	I	..	..	..	..	..
artemisiella .....	..	..	..	L	I	I	..	..	..	..	..	..
HYPOTHALCIA—												
ahenella .....	..	..	..	..	I	I	..	..	..	..	..	..
GYMNANCYLA—												
canella .....	..	..	..	..	..	I	L	L	..	..	..	..
EXAPATE—												
salicella .....	..	..	..	I	..	L	L	L	L	L	..	..
gelatella .....	..	..	..	..	L	L	..	..	..	..	I	I
CHIMABACCHE—												
phryganella .....	..	..	..	..	L	L	..	..	..	I	I	..
fagella .....	..	I	I	..	..	..	..	L	L	..	..	..
SEMIOSCOPIS—												
avellanella .....	..	I	..	..	..	..	..	..	..	..	..	..
Steinkellneriana .....	..	I	I	..	..	..	..	L	L	..	..	..
TALEPORIA—												
pubicornis .....	..	..	..	..	..	I	..	..	..	..	..	..
pseudo-bombycella .....	..	..	..	L	L, I	I	..	..	..	..	..	..
inconspicuella	L	L	I	..	..	..	..	..	..	..	..	..
TINEA—												
marginepunctella .....	..	..	..	..	..	I	I	..	..	..	..	..
melanella .....	..	..	..	L	L	I	I	..	..	..	..	..
argentimaculella .....	..	..	..	..	..	..	..	I	..	..	..	..
bistrigella .....	..	..	..	..	..	I	I	..	..	..	..	..
Oehlmanniella .....	..	..	L	..	I	I	I	..	..	..	..	..
capitella .....	..	..	..	L	I	..	..	..	..	..	..	..
prælatella .....	..	..	..	..	L	I	I	..	..	..	..	..
luzella .....	..	..	..	..	..	I	I	..	..	..	..	..
musculella	P	P	P	P	I	I	..	..	..	..	..	..
Zinckenii	P	P	P	I	I, L	L	..	..	..	P	P	P
rufimetrella .....	..	..	..	..	..	..	I	..	..	..	..	..
angusticostella .....	..	..	..	..	..	..	I	..	..	..	..	..
imella .....	..	..	..	..	I	I	..	I	I	..	..	..
rusticella .....	..	..	..	..	I	I	I	I	I	..	..	..
ferruginella .....	..	..	..	..	I	I	I	I	I	..	..	..
fulvimetrella .....	..	..	..	..	I	I	I	I	I	..	..	..
albipunctella .....	..	..	..	..	I	I	I	I	I	..	..	..
tapetiella .....	..	..	..	..	I	I	I	I	I	..	..	..
arcella .....	..	..	..	I	..	..	I	I	I	..	..	..
monachella .....	..	..	..	I	..	..	I	I	I	..	..	..

TABLE OF APPEARANCE

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
NEMATOPOGON—												
Swammerdammellus	I	I	..	..	..	..	..	..	..
sericinellus				I	..	..	..	..	..	..	..	..
Schwarzelliellus			I	I	I	..	..	..	..	..	..	..
pilellus	I	I	..	..	..	..	..	..	..
Metaxellus			I	I	I	..	..	..	..	..	..	..
ADELA—												
fibulella				I	I	..	..	..	..	..	..	..
fuscocuprella	I	..	..	..	..	..	..	..
rufimitrella			I	..	..	..	..	..	..	..	..	..
Sulzeriella	I	..	..	..	..	..	..	..	..
De Geerella		L	L	I	I	..	..	..	..	..	..	..
viridella				I	I	..	..	..	..	..	..	..
cuprella	I	..	..	..	..	..	..
Dumerilella	I	..	..	..	..	..
NEMOTOIS—												
Frischellus					I	..	..	..	..	..	..	..
Schiffmullerellus					I	I	I	..	..	..	..	..
cypriacellus					I	..	..	..	..	..	..	..
minimellus	I	..	..	..	..	..	..
EUPLOCAMUS—												
boleti						I	..	..	..	..	..	..
PLUTELLA—												
cruciferarum				I	L	L	I	I	L	..	..	..
maculipennis	I	I	I	I	..	..
porrectella					L	..	I	..	I	..	..	..
annulatella	I	I	I	I	..	..
Dalella	I	I	I	I	..	..
sequella					L	L	I	I	I	I	..	..
vittella					L	..	I	I	I	I	..	..
fissella					L	..	I	I	I	I	I	..
costella	I	I	I	I	I	I	..
sylvella					L	..	I	I	I	I	I	..
alpella	I	I	I	I	I	..
antennella	I	I	I	I	I	I	..
nemorella					L	I	I	I	I	I	I	..
harpella					L	..	I	I	I	I	I	..
horridella	I	I	I	I	I	I	..
scabrella					L	..	I	I	I	I	I	..
asperella	L	..	I	I	I	I	..
cultrella		I	I	L	L	I	I	I	I	I	I	..
YPSOLOPHUS—												
humeralius					I	I	..	..	..	..	..	..
parenthesellus					I	I	..	..	..	..	..	..

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
YPSOLOPHUS—												
marginellus	I	I	..	..	..	..
fasciellus	I	..	..	..	L	..	..	..
Durdhamellus	I	I	..	..	..	..
palustrellus	I	I	..	..	..	..
AFLOTA palpebra	I	..	..	..	..
ANARSIA spartiella	L	L	I	I	..	..	..	..
ANCHINIA bicostella	I	I	I	I	..	..	..	..
LIMNECIA—												
phragmitella	I	..	..	..	..	..
EIDOPHASIA—												
Messingiella	I	..	..	..	..	..	..
HARPELLA—												
Geoffroyella	I	I	..	..	..	..	..	..
HYPERCALLIA—												
Christiernini	I	I	..	..	..	..	..
ECOPHORA—												
sulphurella	L	I	I	..	..	..	..	..	..	..
Olivella	I	I	I	I	..	..	..
oppositella	L	..	..	..	P, I	I	..	..	..	..	..	L
quadripunctella	I	I	I	L	L	..	..
flavimaculella	I	I	I	..	..	..	..
tripuncta	I	I	I	..	..	..	..	..
stipella	I	I	I	..	..	..	..	..
fuscifrontella	I	..	..	..	..	..
albimaculea	I	..	..	..	..	..	..
augustella	I	I	..	..	..	..	..
Woodiella	I	I	..	..	..	..	..
Schaefferella	I	I	..	..	..	..	..
Lewenhoekella	I	I	..	..	..	..	..
Latreillella	I	I	I	..	..	..	..
formosella	I	I	I	..	..	..	..
ochraceella	I	I	I	..	..	..	..
lunaris	I	I	I	..	..	..	..
lambdella	I	I	I	..	..	..	..
subaquilea	I	I	I	..	..	..	..	..
Panzerella	I	I	I	..	..	..	..	..
arietella	I	I	I	..	..	..	..	..
unitella	I	..	..	..	..
flavifrontella	I	..	..	..	..	..	..
pseudospretella	I	I	..	..	..	..
fuscescens	I	I	..	..	..	..
lacteella	I, L	I, L	I, L	I, L	I, L	I, L	I, L	I, L	I, L	I, L	I, L	I, L
deauratella	I	I	..	..	..	..

TABLE OF APPEARANCE

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
ŒCOPHORA—												
<i>grandipennis</i>	I	I	..	..	..	..	..	..	..
<i>fuscoœnea</i>	I	..	..	..	..	..	..	..
<i>senescens</i>	I	I	..	..	..	..	..
<i>fuscocuprea</i>	I	..	..	..	..	..	..	..
<i>inspersella</i>	L	L	L, I	L, I	L, I	I	I	I	I	I
<i>chenopodiella</i>	I	I	..	..	..	..	..	..	..	..	..
<i>incongruella</i>	L	..	I	I	..	..	..	..	..	..
<i>Curtisella</i>
HYPONOMEUTA—												
<i>vigintipunctatus</i>	I	I	L	L, I	I	I	L	L	..	..
<i>plumbellus</i>	L	I	I	..	..	..	..	..
<i>irrorellus</i>	I	..	..	..	..	..	..
<i>padellus</i>	L	I	I	..	..	..	..	..
<i>malivorellus</i>	L	I	I	..	..	..	..	..
<i>cognatellus</i>	L	I	I	..	..	..	..	..
<i>evonymellus</i>	L	I	I	..	..	..	..	..
PSECADIA—												
<i>lithospermella</i>	L	I	I	..	..	..	..	..
<i>echiella</i>	I	..	L	I	..	..	L	..	..
<i>funerella</i>	I	..	..	..	..	..	..	..
<i>decemguttella</i>	I	I	..	..	..	..	L	L	..	..
ORTHO-TÆLIA—												
<i>sparganiella</i>	L	I	..	..	..	..	..
EXÆRETIA Allisella..	I	I	..	..	..	..	..
DEPRESSARIA—												
<i>costosa</i>	L	I	I	..	..	..	..
<i>liturella</i>	I	..	L	I	I	..	..	..	..
<i>pallorella</i>	I	..	..	..
<i>ulicetella</i>	I	..	..	..	..	I	I	..	..	..
<i>assimilella</i>	L	L	..	I	I	..	..	..	..	..	..
<i>nanatella</i>	L	L	..	I	I	I	..	..
<i>atomella</i>	L	..	L	L	I	I	I	..	..
<i>arenella</i>	I	I	..	..	..	..	I	I	I	..	..
<i>propinquella</i>	I	..	..	..	..	..	L	I	I	..
<i>subpropinquella</i>	I	I	..	..
<i>Astroæmeriana</i>	I	..	..	..	..	I	I	I	..	..
<i>purpurea</i>	I	..	..	..	..	I	I	I	..	..
<i>caprella</i>	I	..	..	..	I	I	I	..	..
<i>hypericella</i>	L	L	I	..	..	..	..	..
<i>conterminella</i>	L	L, I	..	..	..	..	..	..
<i>angelicella</i>	L	I	..	..	..	..	..	..
<i>carduella</i>	I	..	..	I	I	..	..	..	..
<i>characterella</i>	I	I	..	..	L	I	..	..	..	..	..

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
DEPRESSARIA—												
<i>Yeatiana</i>	I	..	..	..	..
<i>intermediella</i>	I	I	..	..	I	I	I	I	..	..
<i>applana</i>	L	I	I	I	I	I	..	..
<i>ciliella</i>	L	I	..	..	..	..	..
<i>rotundella</i>	I	..	..	..
<i>depressana</i>	L	L	..	I	..	..	..
<i>pimpinellæ</i>	I	..	..	..	L	L, I	I	..	..	..
<i>albipunctella</i>	I	I	..	..	..	..
<i>emeritella</i>	L	I	..	..	..	..	..
<i>pulcherrimella</i>	I	..	..	..	..	..
<i>Douglasella</i>	I	I	..	..	..	..
<i>Weirella</i>	I	..	L	L, I	I	..	..	..	..	..
<i>chærophylli</i>	L, I	I	I	I	..	..	..
<i>ultimella</i>	I	..	..	..
<i>nervosa</i>	L	..	I	..	..	..
<i>badiella</i>	I	..	..	..
<i>pastinacella</i>	I	..	..	..
<i>heracleana</i>	I	L	L	I	I	I	..	..
CARCINA fagana	L	L	I	I	..	..	..	..	..
GELECHIA—												
<i>populella</i>	L	I	I	..	..	..	..
<i>pernigrella</i>	L	I	..	..	..	..	..
<i>lobella</i>	I	..	..	..	..	..	..
<i>rufescens</i>	I	I	..	..	..	..	..
<i>inornatella</i>	I	..	..	..	..	..	..
<i>cinerella</i>	I	I	..	..	..	..	..
<i>vilella</i>	I	..	..	..	..	..	..	..
<i>malvella</i>	I	I	..	..	L	L	..
<i>velocella</i>	I	I	..	I	I	I	..	..	..
<i>lentiginosella</i>	L	L	I	I	I	..	..	..
<i>gallinella</i>	I	I	..	..	..	..	..
<i>soroculella</i>	L	L	I	..	..	..	..	..
<i>costella</i>	I	I	I	L, I	I	..	..	..
<i>maculella</i>	L	I	..	..	..	..	..
<i>tricolorella</i>	L	L	L	..	..	I	..	..	..	..	..
<i>fraternella</i>	L	..	I	..	..	..	..	..
<i>maculiferella</i>	I	..	..	..	..	..
<i>junctella</i>	I	..	..	..	..
<i>vicinella</i>	I	..	..	..
<i>Hübneri</i>	I	I	I	..	..	..
<i>marmorea</i>	I	..	..	I	I	..	..
<i>domestica</i>	I	I	..	..	..	..	..
<i>basaltinella</i>	I	I	..	..	..	..	..

TABLE OF APPEARANCE

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
GELECHIA—												
leucatella	L	I	I	..	..	..	..	..	..
peliella	I	I	..	..	..	..	..	..
alacella	I	..	..	..	..	..	..
fumatella	I	..	..	..	..	..	..
terrella	L	..	I	I	..	..	..	..	..	..	..
desertella	I	I	..	..	..	..	..	..	..
politella	I	..	..	..	..	..	..	..	..
senectella	I	..	L	I	..	..	L	..	..
cirsicella	I	..	I	I	..	..	..	..	..
distinctella	I	..	..	..	..	..	..	..
celerella	I	..	..	..	..
atriplicella	L	L	L, I	I	I	..	..	..	..	..	..
obsoletella	L	L	L, I	L, I	L, I	..	..	..	..	..	..
instabilella	I	I	..	..	..	..	..	..
mulinella	L	..	..	..	I	I	..	..	..	..	..
divisella	I	..	..	..	..	..	..	..
Boreella	I	..	..	..	..	..	..
diffinis	I	I	..	..	I	..	..	..	..
longicornis	I	I	..	..	..	..	..	..	..
Æthiops	I	..	..	..	..	..	..	..	..
nigra	I	I	I	..	..	..	..	..	..
rhombella	L	L	I	..	..	..	..	..	L	..	..
proximella	I	I	..	..	..	..	..	..	..	..	..
notatella	I	..	..	..	I	..	..	L	..	..	..
Walkeriella	I	..	..	..	..	..	..	..
Lyellella	I	..	..	I	I	I	I	I	..	..
fugitivella	L	I	I	..	..	..	..	..	..
sequax	L	L	I	I	I	..	..	..	..
Mouffetella	L	I	I	I	I	..	..	..	..	..	..
triparella	I	I	I	I	..	..	..	..	..	..	..
scriptella	I	I	I	I	..	..	..	..	..	..	..
aleella	I	I	I	I	..	..	..	..	..	..	..
ligulella	L	I	I	I	..	..	..	..	..	..	..
vorticella	L	I	I	I	..	..	..	..	..	..	..
tænirolella	I	..	..	I	I	I	I	..	..	..	..
anthyllidella	I	..	..	I	..	..	I	..	..	..	..
nigritella	I	I	I	..	..	..	..
coronillella	L	I	I	I	I	..	..	..	..	..	..
atrella	I	I	I	I	I	..	..	..	..
affinis	I	I	I	I	I	..	..	..	..
mundella	I	I	I	I	I	..	..	..	..
tenebrella	I	I	I	I	I	..	..	..	..
tenebroSELLA	I	I	I	I	I	..	..	..	..

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
G E L E C H I A —												
immaculatella .....	..	..	..	..	..	..	..	I	..	..	..	..
bifractella	L	L	L	L	..	..	I	I	..	..	L	L
lulutentella .....	..	..	..	..	..	I	I	..	..	..	..	..
lucidella .....	..	..	..	..	..	I	I	..	..	..	..	..
Cerealella	L	L	L	L	I	..	..	..	..	..	L	L
suffusella .....	..	..	..	..	..	I	..	..	..	..	..	..
littorella .....	..	..	..	..	I	..	..	..	..	..	..	..
nigricostella .....	..	..	..	..	..	I	..	..	..	..	..	..
subocellea	L	L	L	..	..	..	I	..	..	..	..	..
paupella .....	..	..	..	..	..	I	I	..	..	..	..	..
inopella	L	L	L	L	..	I	I	..	..	..	L	L
dodecella .....	..	..	..	..	..	L	I	I	..	..	..	..
vulgella .....	..	..	..	..	..	L	I	I	..	..	..	..
artemisiella .....	..	..	..	..	L	I	I	..	..	..	..	..
nanella .....	..	..	..	..	..	..	I	..	..	..	..	..
albiceps .....	..	..	..	..	..	..	I	..	..	..	..	..
nigrovittella .....	..	..	..	..	..	..	L	I	I	..	..	..
lucuella .....	..	..	..	..	..	I	..	..	..	..	..	..
Gerronella .....	..	..	..	..	..	..	I	..	..	..	..	..
Hermannella .....	..	..	..	..	..	I	I	L	I	L	L	..
næviferella .....	..	..	..	..	I	I	L, I	I	..	..	L	..
ericinella .....	..	..	..	..	..	..	I	..	..	..	..	..
brizella .....	..	..	..	..	I	..	..	..	I	..	..	..
pictella .....	..	..	..	..	I	..	..	..	I	..	..	..
gibbosella .....	..	..	..	..	I	..	..	..	..	..	..	..
conscriptella .....	..	..	..	..	..	L	I	..	I	..	..	..
Lappella	L	L	L	L	..	I	I	..	..	..	..	L
Metzneriella .....	..	..	..	..	..	..	I	I	..	..	..	..
Carlinella	L	L	L	L	..	..	I	I	..	..	..	L
neuropterella .....	..	..	..	..	..	..	I	I	..	..	..	..
RÖSLERSTAMMIA —												
granitella .....	..	..	..	..	..	L	I	..	..	..	..	..
perlepidella .....	..	..	..	..	I	..	..	..	..	..	..	..
pygmæana .....	..	..	..	..	I	I	..	..	..	..	..	..
betuletella .....	..	..	..	..	..	..	..	I	..	..	..	..
fuscoviridella .....	..	..	..	..	I	I	..	..	..	..	..	..
GLYPHIPTERYX —												
variella .....	..	..	..	..	..	I	..	..	..	..	..	..
ÆCHMIA —												
Thrasonella .....	..	..	..	..	..	I	..	..	..	..	..	..
Haworthella .....	..	..	..	..	I	..	I	..	..	..	..	..
oculatella .....	..	..	..	..	..	I	..	..	..	..	..	..
equitella .....	..	..	..	..	..	I	I	..	..	..	..	..

TABLE OF APPEARANCE

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
ÆCHMIA—												
<i>Fischeriella</i> . . . . .	.	.	.	I	I	I	I	.	.	.	.	.
<i>subdentella</i> . . . . .	.	.	.	I	I	I	.	.	.	.	.	.
<i>obscurepunctella</i> . . . . .	.	.	.	I	I	.	.	.	.	.	.	.
<i>sericiella</i> . . . . .	.	.	.	I	I	.	.	.	.	.	.	.
<i>resplendella</i> . . . . .	.	.	.	I	I	.	.	.	.	.	.	.
<i>stanneella</i> . . . . .	.	.	.	I	I	.	.	.	.	.	.	.
ARGYRESTHIA—												
<i>ephippella</i> . . . . .	.	.	.	I	I	I	I	.	.	.	.	.
<i>nitidella</i> . . . . .	.	.	L	I	I	I	I	.	.	.	.	.
<i>purpurascenella</i> . . . . .	.	.	.	I	I	I	I	.	.	.	.	.
<i>semitestaceella</i> . . . . .	.	.	.	I	I	I	I	.	.	.	.	.
<i>spiniella</i> . . . . .	.	.	.	I	I	I	I	.	.	.	.	.
<i>albistria</i> . . . . .	.	.	.	I	I	I	I	.	.	.	.	.
<i>conjugella</i> . . . . .	.	.	.	I	I	I	I	.	.	.	.	.
<i>semifusca</i> . . . . .	.	.	.	I	I	I	I	.	.	.	.	.
<i>spinosella</i> . . . . .	.	.	I	I	I	I	I	.	.	.	.	.
<i>glaucinella</i> . . . . .	.	.	I	I	I	I	I	.	.	.	.	.
<i>retinella</i> . . . . .	.	.	I	I	I	I	I	.	.	.	.	.
<i>abdominalis</i> . . . . .	.	.	I	I	I	I	I	.	.	.	.	.
<i>dilectella</i> . . . . .	.	.	I	I	I	I	I	.	.	.	.	.
<i>Andereggia</i> . . . . .	.	.	I	I	I	I	I	.	.	.	.	.
<i>curvella</i> . . . . .	.	.	I	I	I	I	I	.	.	.	.	.
<i>sorbiella</i> . . . . .	.	.	I	I	I	I	I	.	.	.	.	.
<i>pygmælla</i> . . . . .	.	.	I	I	I	I	I	.	.	.	.	.
<i>Goedartella</i>	L	L	I	I	I	I	I	.	.	.	.	.
<i>literella</i>	L	L	I	I	I	I	I	.	.	.	.	.
<i>Brockeella</i>	L	L	I	I	I	I	I	.	.	.	.	.
<i>arceuthina</i>	L	L	I	I	I	I	I	.	.	.	.	.
<i>certella</i>	L	L	I	I	I	I	I	.	.	.	.	.
<i>præcocella</i>	L	L	I	I	I	I	I	.	.	.	.	.
<i>aurulentella</i>	L	L	I	I	I	I	I	.	.	.	.	.
<i>farinatella</i>	L	L	I	I	I	I	I	.	.	.	.	.
OCNEROSTOMA—												
<i>piniariella</i> . . . . .	.	.	I	..	I	I	I	.	.	.	.	.
COLEOPHORA—												
<i>spissicornis</i> . . . . .	.	.	.	.	I	I	I	.	.	.	.	.
<i>deauratella</i> . . . . .	.	.	.	L	I	I	I	.	.	.	.	.
<i>alcyonipennella</i> . . . . .	.	.	.	P	I	I	I	.	.	.	.	.
<i>Frischella</i>	P	I	I	I
<i>paripennella</i>	P	I	I	I
<i>Wockeella</i>	P	I	I	I
<i>lixella</i>	P	I	I	I
<i>ochrea</i>	L	L	I	I

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COLEOPHORA—												
vibicella	L	L	I
conspicuella	L	..	I	I
partitella	I	I	I
pyrrhulipennella	I	I	I
albicosta	I	I	I	..	..	..	..	..
vulnerariae	I	I	I	..	..	..	..	..
onobrychiella	L	I	I	..	..	..	..	..
tiliella	L	I	I	..	..	..	..	..
palliatella	L	I	I	..	..	..	..	..
currucipennella	L	I	I	..	..	..	..	..
virgatella
niveicostella	I	I	..	..	..	..	..
discordella	I	I	..	..	..	..	..
saturatella	I	..	..	..	..	..
tractella
onosmella	L	I	I	..	..	..	..	..
therinella	I	I	..	..	..	..	..
troglodytella	I	I	..	..	..	..	..
inulae	L	I	..	..	..	..	..
lineolea	L	I	I	..	..	..	..	..
murinipennella	I	I	I	..	..	..	..	..
cæspititiella	I	I	I	..	..	..	..	..
alticolella	I	I	I	..	..	..	..	..
lacunicolella	I	I	I	..	..	..	..	..
annulatella	I	I	I	I	..	..	..	..
argentula	L, I	I	..	..	..	..
hemerobiella	L	..	I	..	..	..	..	..
juncicolella	I	..	..	..	..	..
laricella	I	..	..	..	L	..	..
albitarsella	L	L	L	L	..	..	I	..	..	..	L	L
nigricella	L	I	I	..	..	..	..	..
fuscedinella	L	I	..	..	..	..	..
orbitella	I	I	..	..	..	..	..
Binderella	I	..	..	..	..	..
lusciniæpennella	L	I	I	..	..	..	..	L
lithargyrinella	I	..	..	..	..	..
solitariella	I	..	..	..	..	..	..	..
lutarea	L	L, I	I	..	..	..	..	..
badiipennella	L	I	I
ZELLERIA—												
hepariella	I
insignipennella	I	I
fasciapennella	I

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	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
GRACILARIA—												
<i>Francikella</i>	I	I	I	I	I	I
<i>stramineella</i>	I	I	..	..	..	..	I	..	..	..
<i>stigmatella</i>	I	I	..	..	..	..	..	I	I	..	..
<i>hemidactylella</i>	I	..	..	I	I	I	I	I	..	..
<i>falconipennella</i>	I	..	..	I	I	I	I	I	..	..
<i>populetorum</i>	I	..	I	..	..	..	I	..	..	..
<i>semifascia</i>	I	..	..	..	..	..	I	I	I	I	..
<i>inconstans</i>	I	..	I	..	I	I	..	..	..	..
<i>elongella</i>	I	L	..	I	L, I	I	..	..	..	..
<i>syringella</i>	I	I	I	..	I	I	L	..	..	..
<i>tringipennella</i>	I	I	I	..	I	I	..	..	..	..
<i>auroguttella</i>	P	P	P	I	I	L	P, I	I	..	L	P	P
<i>phasianipennella</i>	I	..	..	..	..	L	P, I	I	..	..
<i>quadruparella</i>	I	..	..	..	..	..	..	..
<i>ononidis</i>	L	L	I	I	I	..	..	..	..	..
<i>omissella</i>	L, I	I	..	..	..	..	..
<i>imperialella</i>	I	..	..	..	..	..	..	..	..	..
<i>ocnerostomella</i>	I	I	..	..	..	..	..	..
CORISCUM—												
<i>substriga</i>	I	L	I	I	L, I	I	..	..	..	..
<i>cuculipennellum</i>	I	..	..	..	..	L	I	..	..	..
<i>sulphurellum</i>	I	..	..	..	..	..	I	I	..	..	..
ORNIX—												
<i>meleagripennella</i>	I	..	..	L	I	L	L	..	..	..
<i>Devoniella</i>	I	I	..	..	..	..	..	..	..	..
<i>Anglicella</i>	I	I	..	..	..	..	I	..	..	..	..
<i>torquillella</i>	I	I	..	I	..	..	..	..	..	..
<i>Scoticella</i>	I	I	..	..	..	..	L	..	..	..
<i>Loganella</i>	I	I	I	..	..	..	..	..	..	..
<i>guttea</i>	I	I	I	L	L	..	..	..	..	..
BEDELLIA—												
<i>somnulentella</i>	I	..	..	..	..
COSMOPTERYX—												
<i>Zieglerella</i>	I	I	I	..	..	..	..	..
<i>pedella</i>	I	I	I	..	..	..	..	..
<i>Lienigiella</i>	I	I	I	..	..	..	..	..
<i>pinicolella</i>	I	I	I	..	..	..	..	..
<i>pæangusta</i>	L	..	I	I	I	..	..	..	..
ELACHISTA—												
<i>testaceella</i>	I	I	..	L	I	I	..	..	..	..	..
<i>Illicherella</i>	L	..	I	..	..	..	..	..	..
<i>insecurella</i>	I	I	I	..	..	..	..	..
<i>epilobiella</i>	I	L	L, P, I	P, I	..	..	..	..	..	..

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
ELACHISTA—												
rhamniella.....							I					
Staintoni		L	L	I	I	I		I				
Stephensi												
gibbiferella												
propinquella												
atra												
decorella				I	I	I			I			
Linnæella												
bimaculella												
Roesella					I		L	I				
locupletella							I					
flavicaput							I					
terminella							I					
festaliella					I	I						
modestella					I							
fuscociliella					I	I						
æratella							I					
niveipunctella							L, I	I				
Vau-flava							I	I				
albifrontella						L	I					
alienella							I					
luticomella							I					
atricomella					I							
Kilmunella							I					
cinereopunctella							I					
trapeziella							I					
nigrella							I		I			
occultella							I					
consortella												
pulchella			I	I								
Bedellella					I			I	I			
obscurella					I		I	I				
Pfeifferella					I							
Treitschkeella					I							
Gleichella					I							
magnificella					I				I			
regificella					I			I	I			
apicopunctella					I							
Albinella					I							
bisulcella					I				I			
gangabella					I				I			
Megerrella					I							

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	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
ELACHISTA—												
adscitella
cerussella		I	I	I	I	I	I	I	I	I	I	I
rhynchosporaella
eleochariella
collitella
pollinariella	I	I	I	I	I	I	I	I	I	I
biatomella	I	I	I	I	I	I	I	I	I	I
dispilella	I	I	I	I	I	I	I	I	I	I
rufocinerea	I	I	I	I	I	I	I	I	I	I
ochreella	I	I	I	I	I	I	I	I	I	I
nebulella	I	I	I	I	I	I	I	I	I	I
cygnipennella	I	I	I	I	I	I	I	I	I	I
decimella	I	I	I	I	I	I	I	I	I	I
LYONETIA—												
Clerckella		I	..	I	I, L	I	L	I	L	L	L	L
padifoliella	I	..	..	..	..
PHYLLOCNISTIS—												
suffusella		I	I	I	L, I	..	..	I	..	..	..	..
saligna		I	I	I, L	I	L, I	L, I	I	I	..	..	..
CEMIOSTOMA—												
spartifoliella	L	L	P, I	I	..	..	..	..	..	..
laburnella	I	L	I	I	I	I	L	L	L	L
scitella	I	I	L	L	..	..	..	..
OPOSTEGA—												
salaciella	I	I	I	I	..	..	..	..
auritella	I	I	..	..	..	..	..	..
crepusculella	I	I	..	..	..	..	..	..
BUCCELLATRIX—												
aurimaculella	I	I	..	..	I	..	..	..	..
cidarella	I	I	..	..	I	..	..	..	..
ulmella	I	I	..	..	I	L	..	..	..
vetustella	I	I	..	..	I	..	..	..	..
cratægi	I	I	..	..	L	..	..	..	..
Demaryella	I	I	..	..	..	..	..	..	..
maritima	I	I	..	..	I	..	..	..	..
Boyerella	I	I	..	..	..	L	..	..	..
frangulella	I	I	I	L	L	L	L	..	..
hippocastanella	I	I, L	I	I, L	L	L	L	..	..
cristatella	I	I	..	..	I	..	..	..	..
NEPTICULA—												
atricapitella	I	..	..	..	I	..	..	..	..
pygmæella	I	I	..	I	I	..	..	..	..
aurella	I	I	..	I	..	I	..	..	..	..

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
NEPTICULA—												
<i>gratiosella</i> . . . . .	..	..	I	I	..	..	..	..	..	..	..	..
<i>centifoliella</i> . . . . .	..	..	I	I	..	..	..	..	..	..	..	..
<i>ignobilella</i> . . . . .	..	..	I	I	..	..	..	..	..	..	..	..
<i>argentipedella</i> . . . . .	..	..	..	I	I	..	..	..	..	..	..	..
<i>angulifasciella</i> . . . . .	..	..	..	I	I	..	..	..	..	..	..	..
<i>argyropeza</i> . . . . .	..	..	..	I	I	..	..	..	..	..	..	..
<i>subbimaculella</i> . . . . .	..	..	..	I	I	..	..	..	..	..	..	..
<i>Septembrella</i> . . . . .	..	..	..	..	I	..	..	..	I	..	..	..
<i>intimella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
<i>floslactella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
<i>Louisella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
<i>quinquella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
<i>trimaculella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
TRIFURCULA—												
<i>atrifrontella</i> . . . . .	..	..	..	..	..	..	..	I	..	..	..	..
<i>squamatella</i> . . . . .	..	..	..	..	..	..	..	I	..	..	..	..
<i>immundella</i> . . . . .	..	..	..	..	..	I	I	I	..	..	..	..
<i>pulverosella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
TISCHERIA—												
<i>complanella</i> . . . . .	..	..	..	..	I	I	L	I	..	..	L	..
<i>marginea</i> . . . . .	..	..	..	..	I	L	I	..	..	..	L	..
LITHOCOLLETIS—												
<i>roboris</i>	P	P	P	P	I	..	..	I	..	L	P	P
<i>hortella</i>	P	P	P	P	I	..	..	I	..	L	P	P
<i>Amyotella</i> . . . . .	..	..	..	..	I	I	..	I	..	..	..	..
<i>elatella</i> . . . . .	..	..	..	..	I	..	L	L, I	..	L	P	..
<i>triguttella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
<i>nigrescentella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
<i>quinqueguttella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
<i>lautella</i>	P	P	P	P	I	I	L	I	..	L	P	P
<i>pomifoliella</i> . . . . .	..	..	..	..	I	I	L, I	I	..	L	P	..
<i>coryli</i> . . . . .	..	..	..	..	I	..	L	L, I	L	L	P	..
<i>pomonella</i> . . . . .	..	..	..	..	I	..	P, I	I	..	L	P	..
<i>faginella</i>	P	P	P	P	I	..	L, I	..	..	L	P	P
<i>salicicolella</i> . . . . .	..	..	..	..	I	..	..	..	..	L	P	..
<i>carpinicolella</i>	P	P	P	P	I	..	L	I	..	L	P	P
<i>ulmifoliella</i> . . . . .	..	..	..	..	I	I	L, I	..	..	L	P	..
<i>Spinolella</i> . . . . .	..	..	..	..	I	I	L	I	..	L	P	..
<i>quercifoliella</i>	P	P	P	I	I	..	L, I	..	..	L	P	P
<i>Messaniella</i> . . . . .	..	..	L	L	I	..	L, I	I	..	I	I	..
<i>corylifoliella</i> . . . . .	..	..	..	..	I	I	..	I	I	..	..	..
<i>Caledoniella</i> . . . . .	..	..	..	..	I	..	..	..	..	..	..	..
<i>viminiella</i> . . . . .	..	..	..	..	I	..	..	..	..	L	P	..

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
LITHOCOLLETIS—												
scopariella	I	I	..	..	..	..	..	..
ulicicolella	I	I	..	..	..	L	P	..
alnifoliella	I	L	I	..	..	L	P	P
Heegeriella	P	P	P	P	I	I	I	..	..	L	P	P
Cramerella	P	P	P	P	I	..	L	I	..	L	P	P
tenella	P	P	P	P	I	..	L	I	..	L	P	P
sylvella	I	..	L	I	..	L	P	..
emberizæpennella	I	..	..	I	L	P	..	..
Frölichiella	I	..	..	I	..	L	P	..
Dunningiella	I	..	..	..	..	..	..	..
Kleemannella	I	..	I	..	..	..	..	..
Schreberella	I	..	P	I	L	P	P	..
tristrigella	I	..	I	I	..	..	..	..
trifasciella	I	..	I	I	L	P	I	..
comparella	I	..	..	I	I	..	..	..
ADACTYLÀ Bennettii	I	I	..	..	..	..
PTEROPHORUS—												
rhododactylus	L	..	I	..	..	..	..	..
ochrodactylus	I	I	..	..	..	..	..	..
monodactylus	I	..	..	..	..	..	..	..
trigonodactylus	L	I	I	I	I	..	..	..	..
acanthodactylus	I	..	..	..	I	..	..	..
punctidactylus	I	..	..	..	..	..	..	..
parvidactylus	I	..	..	..	..	..	..	..
hieracii	L, I	I	..	..	..	..	..	..
pilosellæ	L, I	I	I	..	..	..	..	..
phæodactylus	L, I	I	..	..	..	..	..	..
bipunctidactylus	I	I	I	..	..	..	..	..
fuscus	L	I	I	..	..	..	..	..	..
lithodactylus	L	I	..	..	..	..	..	..
pterodactylus	I	I	I	I	..	L	I	I	..
tephradactylus	I	I	..	..	..	..	..
osteodactylus	I	I	..	..	..	..	..
microdactylus	I	I	I	I	..	L	..	..	..
paludum	I	I	..	..	..	..	..
brachydactylus	I	I	..	..	..	..	..
galactodactylus	L	I	..	..	..	..	..
spilodactylus	L	L, I	I	..	..	..	..	..
baliodactylus	I	I	I	..	..	..	..	..
tetradactylus	I	I	I	..	..	..	..	..
pentadactylus	L	L, I	I	..	..	..	..	..	..
ALUCITINA—												
polydactyla	I	I	I	I	..	I	I	..	..	..	..	..

IN the following CALENDAR of *Tineidæ*, the insects are enumerated under the respective months in which they may generally be expected; of course an unusually early spring may cause the appearance of many species in an earlier month than that under which they are here recorded, and a cold and ungenial season may, on the other hand, retard the appearance of the insect to a later period. The letters b., m. and e. are used to denote the beginning, middle and end of the month respectively. The letter P. signifies that the insect may be expected in the *Pupa* state. The letters w. and m. w., prefixed to the names of certain species, signify that they are *wanted* in collections, or *much wanted* in collections. I have preferred using these expressions to saying that this species is rare, and that very rare, as we are continually finding that all insects are common, if you only know when and where to look for them, and the intimation that such a species is very rare would probably induce a Tyro, who should fall in with it in plenty, to imagine that the species he had found was not the same as the *very rare* one, and he would, therefore, abstain from catching for the supply of the wants of others. In those cases, where the food of a larva is not *known*, I have generally noticed the plant frequented by the perfect insect, with a ?, and between parentheses, lest the too-confident assertion of the attachment of the perfect insect to this or that plant should mislead, when search is made for the larva. In some few cases the predilection of the perfect insect for a particular plant is very marked, whether the larva feeds on it or not.

JANUARY.

Appearing in the IMAGO state.

(Ecophora lacteella In houses.

Appearing in the LARVA or PUPA state.

- Chilo phragmitellus* In the stems of *Arundo phragmites*.
- forsicellus* In the stems of *Poa aquatica*.
- Achroea grisella* In the comb of hive bees.
- w. *Myelois cibarium* In the stems of thistles.
- Tinea musculella*, P. In cases, under fallen leaves.
- w. *Zinckenii*, P. In cases, under fallen birch leaves.
- w. *carpinetella* In *Boletus fomentaceus* (a fungus).
- (Ecophora oppositella* Among seeds.
- lacteella* Among seeds.
- w. *Gelechia bifractella* In the seed heads of *Inula dysenterica*.
- m.w. *cerealella* Inside grains of barley, wheat, &c.
- w. *inopella* In the seed heads of *Inula dysenterica*.
- lappella* In the seeds of *Arctium Lappa*.
- Carlinaella* Below the seeds of *Carlina vulgaris*.

JANUARY.—*Appearing in the Larva or Pupa state.*

- w. *Coleophora albitalisella* .. On *Glechoma hederacea*, in sheltered places.
Gracilaria
w. *auroguttella*, P: In rolled-up leaves of *Hypericum perforatum*.
Lithocletis,
m.w. *roboris*, P. }
m.w. *hortella*, P. } In oak leaves.
w. *lautella*, P. }
faginella, P. In beech leaves.
w. *carpinicolella*, P. In hornbeam leaves.
quercifoliella, P. }
w. *Heegeriella*, P. } In oak leaves.
Cramerella, P. }
w. *tenella*, P. In hornbeam leaves.

FEBRUARY.

Appearing in the IMAGO state.

- Tinea pellionella* } In houses.
(Ecophora lacteella .. }

Appearing in the LARVA or PUPA state.

- Chilo phragmitellus* In the stems of *Arundo phragmites*.
forficellus In the stems of *Poa aquatica*.
Crambus hortuellus Under and in moss.
Achroea grisella In the comb of hive bees.
Myelois cibrom In the stems of thistles.
w. *Taleporia inconspicuella*. On palings (trunks of trees ?)
Tinea masculella, P. Under fallen leaves, in cases.
w. *Zinckenii*, P. Under fallen birch leaves, in cases.
w. *carpinetella* In *Boletus fomentarius* (a fungus).
biselliella In cases, on hair, feathers, &c.
(Ecophora lacteella Among seeds.
w. *Gelechia bifractella* In the seed heads of *Inula dysenterica*.
m.w. *cerealella* Inside grains of barley, wheat, &c.
w. *subocellea* In cases, among the withered flowers of *Ori-
ganum vulgare*.
w. *inopella* In the seed heads of *Inula dysenterica*.
lappella In the seeds of *Arctium Lappa*.
Carlarella Under the seeds of *Carlina vulgaris*.
w. *Coleophora albitalisella* .. On *Glechoma hederacea*, in sheltered places.
Gracilaria
w. *auroguttella*, P. In rolled-up leaves of *Hypericum perforatum*.
Lithocletis,
m.w. *roboris*, P. }
m.w. *hortella*, P. } In oak leaves.
w. *lautella*, P. }
faginella, P. In beech leaves.

FEBRUARY.—*Appearing in the Larva or Pupa state.*

- Lithocolletis*
 w. *carpinicolella* In hornbeam leaves.
quercifoliella, P. }
 w. *Heegeriella*, P. } In oak leaves.
Cramerella, P. }
 w. *tenella*, P. In hornbeam leaves.

MARCH.

Appearing in the IMAGO state.

- Chimabacche fagella*, e. On the trunks of trees, palings, &c.
 w. *Semioscopis*
avellanella On the trunks of trees, palings, &c., among birches.
Steinkellneriana, e. Among sloe bushes, on palings, &c.
Tinea pellionella } In houses.
(Eucophora lacteella .. }
 w. *incongruella*, e. On moors, north of England.
Depressaria }
arenella }
characterella } Flying along hedges at dusk, and sitting on
applana } them after dark ; also at sugar.
 w. *albipunctella* }
 w. *chaerophylli* }
Zelleria
 m.w. *insignipennella*, e. On the trunks of trees, palings, &c. (Dartford Heath).
Gracilaria stigmatella, e. Among sallows, flying at dusk, or on palings by day.
Coriscium
 w. *sulphurellum*, e. On the trunks of trees, among heather.
 w. *Elachista testacea*, e. Flying along hedges, before and after dusk.
 m.w. *consortella* Among the short grass on Arthur's Seat.
Pterophorus
pterodactylus On palings.
Alucitina polydactyla In houses, outhouses, and flying along hedges.

Appearing in the LARVA or PUPA state.

- Chilo phragmitellus* In the stems of *Arundo phragmites*.
forficellus In the stems of *Poa aquatica*.
Crambus hortuellus .. }
 w. *falsellus* } Under and in moss, in silken galleries, coming
culmellus .. } out to feed morning and evening.
tristellus.... }
Achroea grisella In the comb of hive-bees.
 w. *Myelois cibrum* In the stems of thistles.
 w. *Taleporia inconspicuella* .On palings (trunks of trees ?)

MARCH.—Appearing in the *Larva or Pupa state.*

- Tinea Oehlmanniella* .. In cases, under fallen leaves, feeds on *Alsine media*.
- w. *musculella*, P. ... In cases, under fallen leaves.
Zinckenii, P. In cases, under fallen birch leaves.
- w. *carpinetella* In *Boletus fomentaceus* (a fungus).
biselliella In cases, on hair, feathers, &c.
- (Ecphora sulphurella* .. Under the bark of decayed trees, in rotten wood.
luteella Among seeds.
- w. *Depressaria assimilella*, e. In the shoots of *Spartium scorarium*.
w. *Gelechia tricolorella* In the terminal shoots of *Stellaria holostea*.
- w. *bifractella* In the seed heads of *Inula dysenterica*.
m.w. *cerealella* Inside grains of barley, wheat, &c.
- w. *subocellea* In cases, among the withered flowers of *Ori-ganum vulgare*.
w. *inopella* In the seed heads of *Inula dysenterica*.
Lappella In the seeds of *Arctium Lappa*.
Carlinella Under the seeds of *Carlina vulgaris*.
- Argyresthia*, }
Goedartella } On birch twigs, eating the buds.
Brockeella }
- w. *Colesphora albatarsella* .. On *Glechoma hederacea*, in sheltered places.
w. *Gracilaria auroguttella* .. In rolled-up leaves of *Hypericum perforatum*.
Elachista Staintoni, e. .. In the leaves of *Helianthemum vulgare*, a miner.
Lithocleitis
- m.w. *roboris*, P. } In oak leaves.
m.w. *hortella*, P. } In oak leaves.
w. *lautella*, P. } In beech leaves.
faginella, P. In hornbeam leaves.
w. *carpinicolella*, P. In hornbeam leaves.
quercifoliella, P. In oak leaves.
Messaniella In the leaves of the evergreen oak.
Heegeriella, P. } In oak leaves.
Cramerella, P. }
- w. *tenella*, P. In hornbeam leaves.
trifasciella In the lower leaves of the shoots of honeysuckle.

APRIL.

Appearing in the *IMAGO state.*

- w. *Erapate salicella* Among sallows.
Chimabacche fagella.... On the trunks of trees, palings, &c.
Semicascopis
Steinkellneriana Among sloe bushes, on palings, &c.
- w. *Taleporia inconspicuella* On palings.
w. *Tinea Zinckenii*, e. Among birches, flying by day.
pellionella In houses.
comptella, e. Hedges, &c. (sloe?)

APRIL.—*Appearing in the Imago state.*

- Tineas cerasiella*, e. Hedges, (hawthorn).
- Micropteryx*
- w. *purpurella* { Among birches, by sweeping the twigs, also
semipurpurella } by beating : sunny afternoons.
unimaculella }
- w. *Sparmanella*, e.
- m.w. *Adela cuprella*, e. Among blooming sallows, in bright sunshine.
- w. *Plutella cultrella* Among *Euonymus*: on palings, &c.
- Ceophora sulphurella* .. Hedges, and gardens.
lacteella In houses.
- w. *incongruella* On moors, in the North of England.
- Hyponomeuta*
- m.w. *vigintipunctatus*, e. Amongst *Sedum telephium*.
Depressaria liturella.... Hedges at dusk, and after dark.
ulicetella Among *Ulex Europæus*, at night.
arenella
propinquella { Flying along hedges at dusk, and sitting on
Astremeriana } them after dark ; also at sugar.
purpurea
characterella Among sallows, at night.
applana { Flying along hedges at dusk, and sitting on
Heracleana } them after dark.
- w. *Gelechia velocella*, e. On sandy heaths, flies at dusk.
- w. *Lyellella* On the stems of trees, palings, &c.
- Röslerstammia*
- w. *pygmæana* Flying under hedges in the afternoon.
Æchmia
- w. *obscurepunctella*, e. By beating hedges (sloe?).
Ocnerostoma piniariella . Among fir trees, on palings, &c.
- Gracilaria Franckella* .. Among oaks.
- stigmatella* Among sallows.
- m.w. *falconipennella* Among alders ?
- m.w. *populetorum*, e. Among poplars.
semifascia In chalky places.
- inconstans* Among oaks.
- w. *elongella* Among alders.
syringella, e. Among lilac.
- w. *auroguttella*, e. Among *Hypericum*.
- m.w. *phasianipennella* Among *Polygonum hydropiper*.
- w. *Coriscium substriga* Among oaks.
cuculipennellum Among privet, on palings, &c.
- Ornix Anglicella*, e. Flying along hedges, and by beating
- w. *Elachista testaceella* .. { Flying along hedges, and by beating.
- w. *decorella* }

m.w. *consortella* Among the short grass on Arthur's Seat.
obscurella, e. } Among grass, flying before dusk.
rufocinerea, e. }

Lyonetia Clerckella By beating fir trees, on palings, &c.

APRIL.—*Appearing in the Imago state.*

- w. *Phylloconistis suffusella* Among poplars, } by beating ivy.
- w. *saligna* Among willows, }
 Nepticula aurella, e. On palings, and in hedges.
- w. *gratiosella*, e. On palings, and flying round hawthorn twigs.
floslactella, e. On palings (Dartford Heath).
- Lithocleletis*
 pomifoliella, e. Among hawthorn.
 ulmifoliella, e. Among birch (on Dartford Heath palings).
 quercifoliella, e. Among oaks.
- Pterophorus pterodactylus* On palings.
- Alucitina polydactyla* .. In houses, outhouses, and flying along hedges.

Appearing in the LARVA or PUPA state.

- Chilo phragmitellus* In the stems of *Arundo phragmites*.
forficellus In the stems of *Poa aquatica*.
- w. *Crambus falsellus* } Under and in moss, in silken galleries; com-
 - Achroea grisella* In the comb of hive bees.
- w. *Myelois cibrum* In the stems of thistles.
- Taleporia*
w. *pseudobombycella*, b.... On palings (trunks of trees, &c.)
- w. *Tinea melanella* In cases, on palings, feeding on lichen.
 capitella In the pith of currant bushes.
 musculella, P. Under fallen leaves.
- w. *carpinetella*, P. In *Boletus fomentaceus* (a fungus).
 pellionella On furs, clothes, &c.
- Adela Degeerella*, e. In cases, under fallen leaves, on *Anemone nemorosa*.
- Ecophora lacteella* Among seeds.
- w. *chenopodiella*..... On *Chenopodium* and *Atriplex*, under a loose web.
 Curtisella, e. In the shoots of ash trees.
- w. *Depressaria assimilella* .. In the shoots of broom.
- Gelechia tricolorella*.... In the terminal shoots of *Stellaria holostea*.
 mulinella In the shoots of broom and furze.
- w. *bifracella* In the seed heads of *Inula dysenterica*.
- M.W. *cerealella* Inside the grains of barley, wheat, &c.
- w. *inopella* In the seed heads of *Inula dysenterica*.
 lappella In the seeds of *Arctium Lappa*.
 Carlina Under the seeds of *Carlina vulgaris*.
- Argyreuthria Gadartella* } On birch twigs, eating the budding leaves.
 Brockeella..... }
- Coleophora*
w. *pyrrhulipennella* Among heather, *Calluna vulgaris*.
 laricella On larches.
- w. *albitarsella* On *Glechoma hederacea*, in sheltered places.
- w. *Gracilaria ononis* In the leaves of *Ononis spinosa*, mining.

APRIL.—Appearing in the Larva or Pupa state.

- Elachista Staintoni* In the leaves of *Helianthemum vulgare*, mining.
Cemostoma spartifoliella Under the bark of the stems of broom.
- M.W.** *Lithocletis roboris*, P. }
M.W. *hortella*, P. } In oak leaves.
w. *lautella*, P. }
faginella, P. } In beech leaves.
w. *carpinicolella*, P. } In hornbeam leaves.
Messaniella In the leaves of evergreen oak.
Heegeriella, P. } In oak leaves.
Cramerella, P. }
w. *tenella*, P. } In hornbeam leaves.
trifasciella, P. } In the lower leaves of the shoots of honeysuckle.
- Pterophorus**
trigonodactylus On *Tussilago farfara*, on the flowers and under the leaves.

MAY.*Appearing in the IMAGO state.*

- Crambus pratellus*, e. } In meadows.
hortuellus, e. }
chrysonuchellus, e. } In chalky places.
Eudorea ambiguella On palings, trunks of trees, &c.
Pempelia carboniella On moors, in the North.
- M.W.** *adelphella* Among willows.
w. *Homaeosoma nimbella* .. In sandy places.
- Taleporia**
pseudobombycella, e. } On palings, &c.
Tinea Oehlmanniella, e. } In bushy places, by beating.
capitella, m. } Among currant bushes.
musculella } Hedges, &c.; flying by day.
w. *Zinckenii* Among birches, flying by day.
M.W. *imella*, e. } (I have taken this, at light).
rusticella } In houses, outhouses, &c.
M.W. *monachella* } In the fens of Cambridgeshire and Huntingdonshire.
cloacella, m. } In old hedges, amongst decayed wood.
ruricolella, e. }
- M.W.** *picarella* }
w. *corticella* } On the trunks of trees.
carpinetella }
pellionella } In houses.
biselliella, m. }
ganomella } Among hedges, flying at dusk.
comptella }
cerasiella } Among hawthorn, flying by day.

MAY.—Appearing in the *Imago* state.

Micropteryx

- calithella* On the flowers of *Caltha*, *Ranunculus*, &c. and on *Carices*.
- w. *Mansuetella*, e. On *Mercurialis perennis* and other low flowers.
- w. *Allionella*, e. Among honeysuckle and oak.
rubrifasciella, m. ... (Among beech trees?)
- w. *Sparmannella*, b. Among birches.
- m.w. *fastuosella* (Among sloe bushes?) on palings.
subpurpurella Among oaks.

Nematopogon

- Swammerdamellus*, e. (Among oaks?)
- m.w. *sericinellus*
- Schwarzelliellus*, e. (Among oaks?) flying at dusk.
- w. *Metazellus*, e. In chalky places, flying at dusk.
- Adela fibulella*, e. At midday, in the flowers of *Veronica Chamedrys*.
- w. *rufimitrella*, e. ... At midday, on the bloom of *Cardamine pratensis*.
viridella, m. Among oaks, flying like gnats.
- m.w. *cuprella*, b. Among blooming sallows, on sunny afternoons.

Plutella cruciferarum ... Among cruciferous plants (cabbages, &c.)

- w. *cultrella* Among *Euonymus*, on palings, &c.

- m.w. *Ypsolophus fasciellus* ... Among sloe-bushes.

Anchinia bicostella, e. ... On heaths.

Harpella Geoffroyella, m. In hedges (among oaks?)

(Ecphora

- sulphurella*, b. In hedges and gardens.
- oppositella* In houses, and out-houses.
- quadrivunctella*, e. Among roses.
- tripuncta*, e. (Among bramble-bushes).
- w. *stipella*, m. On the trunks of trees.
Levenhoeckella In grassy places, among flowers.
- w. *subaquilea*, e. On heaths in the North of England.
- arietella* (Among oaks?) by beating.
- lacteella* In houses.
- grandipennis*, m. In furze-bushes.

Hyponomeuta

- m.w. *vigintipunctatus*, b. ... Among *Sedum telephium*.
- m.w. *Psecadia echinella* Among *Echium vulgare*.
- m.w. *decemguttella*, e. Among *Lithospermum officinale*.
- m.w. *Gelechia virella* On sandy coasts.
- w. *velocella*, b. ... In sandy places, among heather.
- w. *costella* In hedges and on the trunks of trees.
- m.w. *cirsicella* Among thistles.
diffinis, e. On gravelly heaths and sandy places.
longicornis, e. ... On moors in the North.
- proximella* Among birches.
- w. *notatella*, e. ... Among sallows.

MAY.—*Appearing in the Imago state.*

- Gelechia triparella*, m... (Among oaks?)
scriptella, m... (Among maple-bushes).
 w. *alella*, e..... On the trunks of oaks (West Wickham).
anthyllidella .. Among clover, flies at dusk, very low.
 w. *mundella*, m... On sandy coasts, Lancashire and Cheshire.
 m.w. *cereatella* In granaries.
 m.w. *littarella* On sandy coasts, Isle of Wight.
 m.w. *paupella*..... On the coast, Folkestone.
luculella, e... . On the trunks of oaks.
 w. *nauferella*, m. Among *Chenopodium*.
 m.w. *brisella* Among *Statice Armeria*.
 m.w. *pictella* On sandy coasts.
- Rösterstamnia*
 m.w. *perlepidella*
 w. *pygmæana*, b. Flying under hedges, in the afternoon.
fuscoviridella, m. In grassy places, among flowers.
 w. *Echmia Haworthella* .. On moors, in the North.
Fischeriella, m. On flowers generally.
 w. *obscurepunctella*(Among sloe-bushes?).
sericiella. ... } Among oaks, flying by day.
 w. *stanneella* .. }
- Argyresthia*
 w. *conjugella*, e..... Among mountain ash.
spinossella, e..... Among sloe-bushes.
 w. *arceuthina*, m..... } Among juniper-bushes.
 w. *præcocella* .. }
- Coleophora*
 w. *albicosta*, e..... Among furze-bushes.
murinipennella, e.... In grassy places, among flowers.
cæspitiella, e. }
ulticolella, e. } Among rushes.
lacunicolella, e.... }
laricella, e. Among larches.
 m.w. *solitariella*, e.....
- Gracilaria*
Francella Among oaks.
syringella Among lilacs.
 w. *tringipennella*, m. ... In grassy places, among flowers.
 w. *auroguttella* Among *Hypericum*.
 m.w. *imperialella*, e. "Beat from a hedge, Glanville's Wootton, May
 25th, 1840."
- Ornix*
 w. *meleagripennella*, e... Among nut-bushes.
 w. *Devoniella*, b. Among birches ? between Dawlish and Teign-
 mouth.
Anglicella Hedges.
 w. *torquillella* Hedges (among blackthorn ?)
 w. *Scoticella*, e..... Among mountain ash.

MAY.—Appearing in the Imago state.

- Ornix guttea*, e. Among apple-trees.
- Elachista*
 - epilobiella* Among *Epilobium hirsutum*.
 - Staintoni*, e. Among *Helianthemum vulgare*.
 - w. *decorella* Flying along hedges, and by beating.
- m.w. *Rosella* Among *Chenopodium bonus Henricus*.
- festaliella* Among brambles.
- modestella*, m. (Among oaks ? and sitting on the flowers of *Stellaria holostea* ?)
- w. *fuscociliella*, e. On Durham Downs, near Bristol.
- w. *atricomella*, m. From mixed hedges, on palings, &c.
- cinereopunctella*, m.... In chalky places.
- nigrella*, m. In hedges and on palings.
- w. *occultella*, m. Among rushes.
- w. *putchella* Among grass.
- Bedellella* Among the short grass of the chalk downs.
- obscurella* Among grass, flying before dusk.
- w. *Pfeifferella* (Among dogwood ?)
- m.w. *Treitschkeella* (Among dogwood ?)
- w. *magnificella*, e. In the hilly field at Headley Lane, by sweeping.
- Megerlella* In hedges.
- w. *cerussella*, m. In wet places, flying at dusk.
- w. *pollinariella*, e. On the chalk downs.
- w. *biatomella*, m. On Durdham Downs, near Bristol.
- rufocinerea* Among grass, flying before dusk.
- w. *Phyllocoptis suffusella*. .Among poplars, { by beating ivy.
- w. *saligna* ... Among willows, {
- Cemistoma*
 - laburnella*, m. On palings, under laburnums.
- Bucculatrix*
 - w. *aurimaculella*, m.... (Among *Carices* ?)
 - w. *ulmella* Among oaks.
 - w. *cratagi*, m. Among hawthorn.
 - w. *Demarvella*, e. (Among nut-bushes ?)
 - w. *Boyerella*, m. Among elms.
- m.w. *hippocastanella*, m. ... Among limes, horse-chestnuts, birches ? and alders ?
- Nepticula*
 - atricapitella* On the trunks of oaks, on palings.
 - aurella*, b. In hedges, and on palings.
 - w. *gratioSELLA*, b. On palings, and flying round hawthorn twigs.
 - centifoliella*, m. On palings (Beckenham).
 - w. *ignobilella*, m. On palings (Beckenham); among oaks.
 - w. *argyropespa*, m. On palings (Beckenham); among poplars.
 - floslactella* Among oaks.
 - w. *trimaculella* Among poplars.
- Trifurcula*
- w. *pulverosella*, m. (Among wild apple?)

MAY.—Appearing in the Imago state.

- Tischeria marginæ* Among brambles.
Lithocolletis
- M.W. *roboris* ?
 M.W. *hortella*, e. } Among oaks.
 M.W. *Amyotella*, e. }
 w. *elatella*, m. Among *Viburnum lantana*.
 M.W. *triguttella*, m. In hedges, at Sanderstead.
 M.W. *nigrescensella* At Morpeth.
 w. *lautella*, m. Among oaks.
 pomifoliella Among hawthorn.
 w. *coryli* Among nut bushes.
 pomonella Among sloe bushes.
 faginella Among beech trees.
 salicicolella Among sallows and willows.
 w. *carpinicolella* Among hornbeam.
 ulmifoliella Among birches.
 Spinolella, e. Among sallows.
 querçifoliella Among oaks.
 Messaniella Among evergreen and common oaks.
 corylifoliella (Among hawthorn ?)
 w. *Caledoniella*, e. Among oaks, honeysuckle, &c. in the North.
 w. *viminiella* Among sallow, osiers.
 alnifoliella, m. Among alders.
 w. *Heegeriella*, m. } Among oaks.
 Cramerella }
 w. *tenella* Among hornbeam.
 sylvella Among maple.
 w. *emberisæpennella*, m. Among honeysuckle.
 M.W. *Frölichiella*, m. Among alders.
 w. *Dunningiella*, m. (Among oaks and hazel ?) on palings.
 M.W. *Kleemannella* Among alders.
 Schreberella Among elms.
 tristrigella Among elms; on palings.
 trifasciella Among honeysuckle.
 w. *comparella* Among white poplars.
 Pterophorus
 w. *microdactylus*, e. Among *Eupatoria Cannabinum*.
 Alucitina polydactyla .. In hedges, among honeysuckle.

Appearing in the LARVA or PUPA state.

- Chilo phragmitellus*, P. In the stems of *Arundo phragmites*.
 forficellus, P. In the stems of *Poa aquatica*.
 w. *gigantellus* In the stems of *Arundo phragmites*.
 w. *Crambus falsellus* In and under moss, in silken galleries.
 w. *Galleria mellonella* ... } In the comb of hive bees.
 Achroea grisella }
 w. *Nephopteryx abietella*, e. In fir cones, and under the bark of fir trees.

MAY.—Appearing in the Larva or Pupa state.

- w. *Pempelia betulae*, m.....In united leaves of birch bushes.
- w. *Anerastia lotella*Among *Aira canescens* in sandy places.
- Acrobasis*
- w. *consociella*, m. { On oaks, between clusters of discoloured
- w. *tumidella*, m. { leaves.
- w. *Myelois cibarium*In the stems of thistles.
- w. *suavella*On sloe bushes, in webs on the leaves.
- advenella*On hawthorn.
- w. *epetylrella*On sloe bushes.
- m.w. *ceratoniae*, m. ... In the fruit of *Ceratonia siliqua*; (in chestnuts, walnuts?)
- w. *Exapate gelatella*In decayed wood.
- Taleporia*
- pseudobombycella*, b. P. On palings, trunks of trees.
- w. *Tinea melanella*, b. In cases, on palings, feeding on lichen.
- w. *prælatella*In cases, on the leaves of *Fragaria vesca*, *Geum urbanum*.
- w. *Zinckenii*, e. In cases, on the leaves of birch trees.
- w. *corticella*, e. In fungi on hornbeam.
- pellionella*In cases, on furs, clothes, &c.
- Ochsenheimeria*
- bisontella*, b. On grass.
- Adela Degenerella*, b. In cases, on *Anemone Nemorosa*.
- w. *Plutella sequella*On lime and sallows.
- vittella*On honeysuckle, elm and beech.
- fissella*, m. On oaks.
- w. *nemorella*On honeysuckle, on the bark.
- hurpella*On honeysuckle.
- w. *scabrella*On apple trees.
- w. *Anarsia spartiella*, m. ... In the shoots of broom and *Genista tinctoria*.
- (*Eccopora*)
- quadripunctella*, b. P. On roses.
- lacteella*Among seeds.
- w. *chenopodiella*On *Chenopodium* and *Atriplex*, under a loose web.
- m.w. *Psecadia lithospermella*.. On *Lithospermum* and *Pulmonaria*.
- Depressaria*
- w. *atomella*, e. On broom and *Genista tinctoria*.
- hypericella*, e. In the tops of *Hypericum*.
- conterminella*, m. In the terminal shoots of sallows.
- w. *Weirella*, e. On the leaves of *Cherophyllum sylvestre*.
- Carcina fagana*, m. Under the leaves of pear, oak and beech, in a transparent web.
- Gelechia*
- m.w. *lentiginosella*, e. On *Genista tinctoria*.
- w. *sororella*, e. On sallows.
- w. *tricolorella*, b. In the terminal shoots of *Stellaria holostea*.
- w. *fraternella*, b. In the terminal shoots of *Stellaria uliginosa*.

MAY.—Appearing in the Larva or Pupa state.

- Gelechia*
- leucatella*, m. Between united apple leaves.
 - terrella*, b. On grass leaves, uniting the sides and forming a tube.
 - w. *atriplicella*, e. In the shoots of *Atriplex*.
 - w. *obsoletella* In the stems of *Atriplex* and *Chenopodium*.
 - w. *rhombella*, m. On apple trees.
 - fugitivella* On nut bushes, maple and elm.
 - w. *sequax*, e. In the shoots of *Helianthemum vulgare*.
 - w. *Mouffetella* On honeysuckle.
 - w. *ligulella* Between united leaves of *Lotus corniculatus*.
 - w. *vorticella* On *Genista tinctoria*.
 - w. *coronillella* Between united leaves of *Coronilla varia*.
 - dodecella* In the shoots of fir trees.
 - vulgella* In the shoots of hawthorn.
 - artemisiella* In the terminal shoots of *Artemisia campestris*.
- Argyresthia*
- nitidella*, b. In the buds of hawthorn.
 - w. *sorbiella*, b. In the buds of mountain ash.
 - pygmælla*, b. In the shoots of sallows.
 - farinatella* In the leaves of fir trees.
- Coleophora*
- w. *alcyonipennella*, b. ... On the leaves of *Centaurea nigra*.
 - paripennella*, b.. On palings, near sloe.
 - m.w. *conspicuellella* On the leaves of *Centaurea (scabiosa?)*
 - tiliella*, m. On sloe, birch and oak.
 - w. *palliatella*, m. On oak, birch, hazle and sloe.
 - w. *currucipennella*, m... On oaks.
 - w. *onosmella*, m. On the leaves of *Echium vulgare*.
 - lineolea* On *Ballota nigra*.
 - m.w. *hemerobiella* On pear trees.
 - nigricella*, e. On hawthorn.
 - tusciniæpennella* On roses.
 - lutarea* On oaks.
 - w. *badiipennella* On ash (and elm ?)
 - w. *Gracilaria elongella* On alder.
 - w. *ononidis*, b... In the leaves of *Ononis spinosa*, mining.
 - w. *Coriscium substriga* On oaks.
 - Cosmopteryx præangusta*. On poplars, between united leaves.
 - w. *Elachista Illigerella* Between united leaves of *Hegopodium Podagraria*.
 - *albifrontella*? . In the stems of *Dactylus glomerata*.
- Cemiostoma*
- spartifoliella* In the stems of broom, under the bark.
- Pterophorus*
- w. *rhododactylus* In the flowers and shoots of roses.
 - *trigonodactylus*, b. ..On *Tussilago farfara*, on the flowers and under the leaves.

MAY.—*Appearing in the Larva or Pupa state.*

Pterophorus

- fuscus*, m. On *Veronica Chamædrys*.
- pentadactylus*, e. On *Convolvulus arvensis*.

JUNE.

Appearing in the IMAGO state.

Chilo phragmitellus, e.... Among *Arundo phragmites*.

forsicellus, e. Among *Poa aquatica*.

w. *mucronellus*, m. Wicken Fen, Cambridgeshire; flies at midnight.

w. *Crambus Dumetellus*, m. In chalky places.

pratellus In fields.

pascuellus In grass fields, and on heath.

w. *uliginosellus* In chalky places, and on the northern moors?

hortuellus In fields.

cerussellus, m. In chalky places and on sand.

M.W. *rorellus*, e. In dry meadows.

chrysonuchellus, b. In chalky places.

perrellus, e. In chalky places.

Eudoreia ambigualis On palings and trunks of trees.

pyrarella In chalky places.

frequentella, e. On palings and trunks of fir trees.

M.W. *Portlandica*, e. In the Isle of Portland, on the rocks.

w. *murana*, e. On stone walls in the North.

Aphomia colonella, e. In dry sandy places.

w. *Nephopteryx ahietella*, e. On the stems and branches of fir trees.

Pempelia dilutella, e. In chalky places, among thyme.

carbonariella .. On moors in the North.

w. *perfluella*, e. Among hedges.

w. *betulea*, e. Among birches.

w. *Anerastia lotella*, e. On sandy coasts.

M.W. *Farrella*, e. On sandy coasts (Lowestoft and Deal).

Ephestia elutella, m. In ivy, and in chocolate warehouses

M.W. *semirufa*, m. "At light, June 21st 1849," P. H. V.

w. *Homæosoma nebulella*, e. Among thistles (Brandon).

w. *nimhella* .. In sandy places.

w. *eluvella*, e. Among thistles.

w. *sinuella*, m. In sandy places.

Acrobasis consociella, e. } Among oaks.

w. *tumidella*, e. } Among oaks.

M.W. *angustella*, m. Among spindle bushes.

w. *Cryptoblabes bistriga* On the trunks of trees.

w. *Myelois cibrum*, e. Among thistles.

w. *suavella*, e. Among sloe bushes.

w. *advenella*, e. Among hawthorn.

w. *epelydella*, e. Among sloe bushes.

JUNE.—Appearing in the Imago state.

- w. *Hypochalkia ahenella*, e. In chalky places, among grass.
- m.w. *Taleporia pubicornis*, m. In a copse near Grassington, Yorkshire.
pseudobombycella On palings, trunks of trees, &c.

Tinea

- w. *marginepunctella*, m. "Hedges, near Pembury." J. J. W.
- w. *melanella*, b. On palings.
- w. *bistrigella* In bushy places.
- w. *Oehlmanniella* In bushy places.
- w. *prælatella*, b. In woods, among *Geum urbanum*.
- w. *tusella*, b. In bushy places.
- w. *imella* (I have taken this at light.)
ferruginella In old hedges, and in coal pits.
- w. *fulvimetrella* On the trunks of trees.
- w. *albipunctella* "Hedges, Hurstperpoint, Sussex." J. J. W.
- tapetiella* In houses, among clothes.
- w. *arcella* In old hedges.
granella In granaries.
- cloacella* In woollen warehouses, and old hedges.
- ruriculella* In old hedges.
- w. *carpinetella* On the trunks of hornbeams.
- w. *Knockiella* In houses, and in old hedges.
- w. *fuscipunctella* In houses.
- pellionella* In houses.
- m.w. *flavcentella* "In the house." W. Bentley.
biselliella In houses.
- w. *semifulvella* { In old hedges.
ganomella { In hedges.
- w. *cesiella*, b. In hedges.
- w. *griseocapitella*, b. Among birches, in Scotland.
- Micropteryx calthella*, b. On the flowers of *Caltha*, *Ranunculus*, and on *Carices*.
- w. *aruncella*, b. { In grassy places among flowers.
Seppella, b. { In grassy places among flowers.
- w. *Mansuetella*, b. On *Mercurialis perennis*, and other low flowers.
- Allionella*, b. Among honeysuckle and oaks.
- Nematopogon*
Swammerdamellus, b. (Among oaks?)
Schwarzellus, b. (Among oaks?) flying at dusk.
- w. *pilellus* (Among sallows?)
- w. *Metazellus*, b. In chalky places.
- Adela fibulella*, b. On the flowers of *Veronica Chamædrys*.
- m.w. *fuscocuprella* "On a heath at Pembury." J. J. W.
- w. *Sulseriella* In chalky places.
Drgeerella In woods.
- viridella*, b. Among oaks.
- w. *Nemotois Frischellus* ... On the flowers of scabious.

JUNE.—*Appearing in the Imago state.*

- Nemotois*
- m.w. *Schiffermullerellus*, }
m..... } Among flowers.
m.w. *cypriacellus*, m. ... }
w. *Piutella nemorella*, e.... Among honeysuckles.
m.w. *Ypsolophus humerellus*, e.In dry sandy places.
w. *parenthesellus*, e. On chalk or sand, among furze or broom.
Achinia bicostella On heaths.
Eidophasia
w. *Messingiella*, m. Moist places in woods, among oaks.
Harpella Geoffroyella ..In hedges (among oaks?)
Hypercallia
m.w. *Christiernini*, e. In sandpits and chalky places.
w. *Cecophora Otiarella*, e. (Among oaks?)
 oppositella..... In houses and outhouses.
 quadripunctella Among roses.
m.w. *flavimaculella*, m..... Among *Angelica sylvestris*.
 tripuncta, b..... (Among bramble bushes?)
w. *stipella*, b..... On the trunks of trees.
w. *albimaculea* }
w. *augustella*..... } On the trunks of orchard trees.
m.w. *Woodiella*..... On moors near Manchester (from rotten
wood?)
m.w. *Schaefferella* On the trunks of trees (Bewdley Forest).
Lewensoekella, b. } In grassy places, among flowers.
m.w. *Latreillella* }
w. *ochraceella* (Among *Epilobium hirsutum*?)
w. *lambdella*, m. In sandy places (among furze?)
w. *subaquilea*, b. On heaths, in the North of England.
w. *Panzerella*, m. In bushy places.
w. *arietella*, b. Among oaks, by beating.
w. *flavifrontella*..... In bushy places.
 lacteella In houses.
 grandipennis, b. In furze bushes.
w. *fuscoæna* In a copse near Grassington, Yorkshire.
fuscocuprea, e. On Durdham Downs, near Bristol.
w. *inspersella*, m. In sand pits.
w. *chenopodiella*..... Among *Chenopodium* and *Atriplex*.
Curtisella, e. Among ash trees.
- Psecadia*
- m.w. *lithospermella*, e. Among *Lithospermum* and *Pulmonaria*.
w. *funerella* In the Cambridgeshire fens; (on *Sympytum officinale*?)
w. *decemguttella* On *Lithospermum officinale*.
m.w. *Exæretia Allisella*, e. ..Near Rotherham, and near Maryport, Cum-
berland.
- Depressaria*
- w. *assimilella*, m. Among broom.

JUNE.—*Appearing in the Imago state.*

- Depressaria*
- conterminella*, m. Among sallows.
 - w. *Weirella*, m. Among *Chæropyllum sylvestre*.
 - w. *Gelechia lobella* In hedges (among oaks?)
 - w. *rufescens* In hedges.
 - m.w. *inornatella* In the Cambridgeshire fens.
 - w. *cinerella*, m. In bushy places in woods.
 - malvella*, e. Among hollyhocks.
 - gallinella* On heaths.
 - w. *costella*, b. In hedges and on the trunks of trees.
 - marmorea* In sandy places, among grass.
 - w. *basalitinella*, e. From old thatch, Addington.
 - leucatella*, e. Among apple and hawthorn.
 - m.w. *petiella*, e. Among heather, brambles, &c. (W. Wickham).
 - terrella*, m. In grass.
 - desertella*, m. On sandy coasts.
 - w. *politella*, m. Among heather at the foot of Skiddaw.
 - m.w. *divisella*, e. In the Cambridgeshire fens.
 - difflinis* On gravelly heaths and sandy places.
 - longicornis*, b. } On heaths, in the North.
 - Œthiops* }
 - w. *nigra*, e. On the trunks of aspens.
 - proximella*, b. Among birches.
 - fugitivella*, e. Among maple and elm; on palings.
 - w. *Mouffetella*, e. Among honeysuckle.
 - triparella*, b. Among oaks.
 - scriptella*, b. Among maple.
 - w. *alella*, b. On the trunks of oaks (W. Wickham).
 - w. *ligulella* Among *Lotus corniculatus*.
 - m.w. *vorticella* Among *Genista tinctoria*.
 - m.w. *coronilletta*, e. In the hilly field at Headley Lane, by sweeping.
 - w. *mundella*, b. On sandy coasts, Lancashire and Cheshire.
 - w. *tenebrella*, m. On dry banks (among *Rumex acetosella*?)
 - w. *tenebrosella*, m. In dry places (among brambles?)
 - m.w. *lutulentella*, m. On heaths and in marshy places.
 - m.w. *suffusella* }
 - m.w. *nigricostella* }
 - m.w. *paupella* On the coast—Folkestone.
 - w. *inopella*, e. Among *Inula dysenterica*.
 - dodecella* Among fir trees.
 - vulgella*, m. In hawthorn hedges.
 - artemisiella*, m. In dry sandy places.
 - luculella*, b. On the trunks of oaks.
 - w. *Hermannella*, m. }
 - w. *næviferella*, b. }
 - lappella*, m. Among *Arctium Lappa*.
- Röderstammia*
- fuscoviridella* }
 - Glyphipteryx variella* }
- In grassy places, among flowers.

JUNE.—Appearing in the *Imago* state.

- Echmia Thrasonella* ... Among rushes.
- w. *oculatella* (Among *Eupatoria Cannabinum*?)
- w. *equitella*, e. Flies by day on *Sedum acre*.
- w. *Fischeriella* .. On flowers generally.
- m.w. *subdentella*, b. In chalky places.
- resplendella*, e. (Among oaks?)
- Argyresthia*
- ephippella*, m. In hedges.
- nitidella*, m. In hedges, among hawthorn.
- albistria*, m. In hedges.
- conjugella* Among mountain ash.
- spinosella* Among sloe-bushes.
- w. *glaucinella*, m. In hedges, on palings (Beckenham).
- w. *retinella*, m. Among birches.
- w. *abdominalis*, e. Among juniper.
- w. *curvella*, m. Among orchard trees.
- w. *sorbiella*, e. Among mountain ash.
- pygmæella*, m. Among sallows.
- m.w. *Goedartella*, m. Among birches and alders.
- literella*, m. Darenth Wood.
- Brockeella*, m. Among birches.
- farinatella*, m. } Among fir trees.
- Ocnerostoma*
- piniariella*, m. }
- Coleophora*
- spissicornis* (Among clover ?)
- w. *alcyonipennella* Among *Centaurea nigra*.
- w. *paripennella* In hedges and on palings.
- m.w. *lizella*, m. On the downs, near Bristol.
- m.w. *partitella*, e.
- m.w. *pyrrhulipennella*, e. Among heather.
- w. *albicosta*, b. Among furze bushes.
- m.w. *vulneraria*, m. (Among *Anthyllis vulneraria*?)
- m.w. *onobrychiella* Among *Onobrychis*.
- w. *tiliella*, m. }
- w. *palliatella*, m. } Among blackthorn, oak, &c.
- m.w. *currucipennella*, m. Among oaks.
- m.w. *niveicostella*, m. On heaths and in chalky places.
- w. *discordella*, m. On heaths (and among broom ?)
- w. *onosmella*, m. Among *Echium vulgare*.
- w. *therinella*, e. }
- w. *troglodytella*, e. } In grassy places.
- lineolea*, m. Among *Ballota nigra*.
- murinipennella*, b. In grassy places, among flowers.
- cespitosella*, b. }
- alticolella*, b. } Among rushes.
- lacunicolella*, b. }
- annulatella*, e. In grassy places.

JUNE.—*Appearing in the Imago state.*

- Coleophora*
- laricella* Among larches.
 - w. *albitarsella* Among *Glechoma hederacea*.
 - nigricella*, m. Among hawthorn.
 - w. *orbitella* In bushy places.
 - tuscinia pennella*, b. Among roses.
 - lutarea*, e. Among oaks.
 - w. *badiipennella*, m. Among ash trees (and elms ?)
- Gracilaria*
- Frackella*, b. Among oaks.
 - w. *populetorum*, e. Among poplar.
 - inconstans*, b. Among oaks.
 - syringella*, e. Among lilacs.
 - w. *tringipennella*, b. In grassy places (among sorrel ?)
 - m.w. *quadruprella*, m. Among mixed hedges, in sandy places (Ripley).
 - w. *ononidis*, m. Among *Ononis spinosa* (*Genista tinctoria* ? &c.)
 - w. *ocnerostomella*, m. (Among *Echium vulgare* ?)
 - Coriscium subtriga*, e. On oaks.
 - w. *Ornix Scoticella*, b. Among mountain ash.
 - m.w. *Loganella* (Among nut bushes ?), in the North.
 - guttea* Among apple trees.
- Cosmopteryx*
- Zieglerella*, e. Near Hackney, in mixed hedges.
 - m.w. *pedella*, b. (Among alders ? or buckthorn ?)
 - m.w. *Lienigiella*, m. In the Cambridgeshire fens.
 - w. *pinicolella*, e. Among fir trees.
- Elachista*
- Staintoni*, b. Among *Helianthemum vulgare*.
 - w. *gibbiarella* (Among sallows ?)
 - atra* Among apple and whitethorn.
 - w. *decorella* In hedges.
 - m.w. *bimaculella*, m. (Among sallows ?), at Black Park, Bucks.
 - flavicaput*, b. Among hawthorn.
 - m.w. *terminella*, m. (Among alders ?)
 - festaliella*, b. Among brambles.
 - m.w. *fuscociliella* On Durdham Downs, near Bristol.
 - m.w. *eratella*, e. On flowers, near corn fields ; on sand.
 - albifrontella* (Among oaks ?)
 - m.w. *alienella* " Mixed hedges, Lewisham."
 - luticomella*, e. On palings ; Dartford Heath.
 - w. *atricomella*, b. From mixed hedges, on palings, &c.
 - w. *Kilmunella*, m. In mosses and mountain bogs.
 - cinereopunctella*, b. In chalky places.
 - m.w. *trapesiella*, m. From mixed hedges ; West Wickham.
 - obscurella* Among grass, flying before dusk.
 - m.w. *Treitschkeella*, b. Among dogwood ?
 - Gleichella*, e. In chalky and sandy places.

JUNE.—*Appearing in the Imago state.**Elachista*

- w. *apicipunctella*, b. In mosses in Scotland; among rushes.
 w. *Albinella* In hedges.
 m.w. *gangabella* In grassy places, among flowers (Headley Lane).
Megerella In hedges.
 w. *cerussella* In wet places, flies at dusk.
 w. *rhynchosporaella*, m. In mosses and mountain bogs.
 w. *pollinariella* On chalky downs.
 w. *biatomella* On Durdham Downs, near Bristol, and on sandy coasts.
 w. *dispilella*, e. On chalky downs.
 w. *ochreella*, e. In the Cambridgeshire Fens.
 w. *nebulella* (Among firs and heather!), flies at dusk.
cygnipennella In grassy places, among flowers.
 m.w. *decimella*, m. On a paling, at Camberwell.

Phyllocnistis

- w. *suffusella*, e. Among poplars.
 w. *saligna*, e. Among willows.

Cemostoma

- spartifoliella*, m. Among broom.
scitella, e. Among white thorn, apple and pear.
 w. *Opostega salaciella*, e. On dry banks.
 m.w. *auritella*, e. In the Cambridgeshire fens.
 w. *crepusculella*, e. In boggy places.

Bucculatrix

- w. *aurimaculella*, b. In hedges (and among *Carices*?)
 w. *cidarella*, b. Among alders?
ultmella, b. Among oaks.
crategi, b. Among hawthorn.
 w. *Demaryella*, b. (Among nut bushes?)
 w. *Boyerella*, b. Among elms.
 w. *frangulella*, e. Among buckthorn.
 m.w. *hippocastanella*, b. Among limes and horse-chestnuts.
 m.w. *cristatella*, b. Among grass in chalky places by sweeping.

Nepticula

- w. *pygmaella*, b. (Among hawthorn?), flies at day-break.
 w. *centifoliella*, b. On palings, at Beckenham.
 w. *ignobilisella*, b. On palings, and among oaks.
 w. *argentipedella* (Among birches?)
 m.w. *angulifasciella* On palings, at Beckenham.
argyropesa, b. Among poplars.
subbimaculella Among oaks.
 w. *intimella* Among sallows.
 w. *quinquella*, m. On palings and among oaks.

Tischeria complanella, b. Among oaks.

marginea, b. Among bramble.

JUNE.—*Appearing in the Imago state.**Lithocletis*

- m.w. *Amyotella* } Among oaks.
 w. *lautella*, b. }
Spinolella, b. Among sallows.
 m.w. *Caledoniella*, b. (Among oaks? and honeysuckle?)
 w. *scopariella*, e. On broom.
 w. *uticicolella*, e. Among furze bushes.
alnifoliella, b. Among alders.
 w. *Heegeriella*, b. Among oaks.

Pterophorus

- ochrodactylus*, e. In sandy places.
 m.w. *monodactylus* Near Teignmouth.
trigonodactylus Among *Tussilago farfara*.
 w. *acanthodactylus* On heaths and in sandy places.
 w. *hieraci*, e. Among *Hieracium umbellatum*.
 w. *pilosellæ*, e. On *Hieracium pilosella*.
 w. *phæodactylus*, e. Among *Ononis*.
fuscus Among *Veronica Chamaedrys*.
 w. *microdactylus*, b. Among *Eupatoria cannabinum*.
tetradactylus, e. In chalky places.
pentadactylus Among *Convolvulus arvensis*.

Appearing in the LARVA or PUPA state.

- Chilo gigantellus* In the stems of *Arundo phragmites*.
 w. *Crambus falsellus* Under and in moss, in silken galleries.
Galleria mellonella .. } In the comb of hive bees.
Achroea grisella }
Nephopteryx
 w. *abietella*, b. In fir cones, and under the bark of fir trees.
roborella, m. On oaks.
Pempelia dilutella, b. ... On *Thymus Serpyllum*.
Anerastia lotella, b. Among *Aira canescens*, in sandy places.
Acrobasis consociella, b. } On oaks, between clusters of discoloured
 w. *tumidella*, b. } leaves.
 w. *Myelois suavella*, b. On sloe bushes, in webs on the leaves.
 w. *advenella*, b. ... On white thorn.
 w. *epelydella*, b. ... On sloe bushes.
 m.w. *ceratonia*..... In the fruit of *Ceratonia siliqua* (in chestnuts,
 walnuts?).
 w. *pinguis*, m. Under the bark of ash trees.
 w. *artemisiella*, m. In the stems and roots of *Artemisia*.
 w. *Exupate salicella*, e. On alders, sallow, birch and oak.
 w. *gelutella*, b. ... In rotten wood.
Chimabacche
 w. *phryganella*, e. On oaks.
 w. *Tinea Zinckenii*, b. In cases on the leaves of birch trees.

JUNE.—Appearing in the Larva or Pupa state.

- Tinea corticella* In fungi on hornbeam.
pellionella In cases, on furs, clothes, &c.
cerasiella, e. On apple, cherry and plum.
cratægella, m. On hawthorn gregariously.
Plutella cruciferarum .. On cabbages and other cruciferous plants.
 w. *porrectella* On *Hesperis matronalis*.
 w. *sequella*, b. On limes and sallows.
 w. *sylvella* On oaks.
 m.w. *asperella* On apple trees.
 w. *cultrella*, e. On spindle bushes.
 w. *Anarsia spartiella*, b. On broom and *Genista tinctoria*.
Ecophora lacteella Among seeds.
 w. *chenopodiella*..On *Chenopodium* and *Atriplex*, under a loose web.

Hyponomeuta

- m.w. *vigintipunctatus*, e. On *Sedum telephium*.
plumbellus, e. On spindle.
padellus On hawthorn.
malivorellus On apple.
cognatellus On spindle.
 w. *evonymellus* On *Prunus padus*.

Orthotælia

- w. *Sparganiella*, m. In the stems of *Sparganium*.

Depressaria

- costosa*, m. In the shoots of *Ulex Europæus*.
liturella In the tops of *Centaurea nigra*.
 w. *atomella* On broom and *Genista tinctoria*.
arenella, e. On *Centaurea nigra*.
 w. *hypericella*, b. In the tops of *Hypericum*.
conterminella, b. In the terminal shoots of sallows.
 w. *angelicella*, b. On *Angelica sylvestris* and sallow ?
applana On *Chærophylgium sylvestre* and other *Umbelliferae*.
 w. *Weirella*. b. On the leaves of *Chærophylgium sylvestre*.
heracleana, e. In the umbels and stems of *Heracleum sphondylium*.

- Carcina fagana*, b. Under the leaves of pear, oak and beech, in a transparent web.

Gelechia

- populella*, b. On poplars, sallows and birch.
 w. *pernigrella*, b. On sallows.
 m.w. *lentiginosella*, b. On *Genista tinctoria*.
 w. *soroculella*, b. On sallows.
maculella, m. In the capsules of *Stellaria holostea*.
 w. *atriplicella* In the shoots of *Atriplex*.
 w. *obsoletella* In the stems of *Atriplex* and *Chenopodium*.
 w. *rhombella*, b. On apple trees.
 w. *sequas*, b. In the shoots of *Helianthemum vulgare*.

JUNE.—Appearing in the Larva or Pupa state.

Gelechia

- w. *nigrovittella* (?) (Mining in oak leaves?)
w. *gibbosella* On sallows.

Röderstammia

- w. *granitella*, b. Mining in the leaves of *Inula dysenterica*.

Coleophora

- ochrea*, e. On *Potentilla argentea*.
w. *vibicella* On *Genista tinctoria*.
m.w. *inule* On *Inula dysenterica*.
fuscedinella On elm and (alder?)
lutarea, b. On oaks.

Gracilaria

- w. *aureoguttella*, m. In cones formed on the leaves of *Hypericum*.
w. *Elachista testacea*, m. Under the leaves of *Cherophyllum sylvestre*.
epilobiella, m. In the tops of *Epilobium hirsutum*.
w. *Phyllocoenistis saligna*, m. In the leaves of willows.

Cemostoma

- spurtiloliella*, b. P. In white cocoons, or branches of broom.
laburnella In the leaves of laburnum, mining.

Bucculatriz

- m.w. *hippocastanella*, e. On limes, horse-chestnuts, birches? and alders?
Lithocolletis trifasciella. In the leaves of honeysuckle.

Pterophorus

- w. *hieracii*, b. On *Hieracium umbellatum*.
w. *pilosella*, b. On *Hieracium pilosella*.
w. *phæodactylus*, b. On *Ononis spinosa* and *procumbens*.
w. *lithodactylus*, b. On *Inula dysenterica*.
galactodactylus, b. Under the leaves of *Arctium Lappa*.
m.w. *spilodactylus*, m. On *Marrubium vulgare*.
pentadactylus, b. On *Convolvulus arvensis*.

JULY.

Appearing in the IMAGO state.

Chilo phragmitellus .. } Among *Arundo phragmites*.

- w. *gigantellus* .. }
w. *forficellus* Among *Poa aquatica*.

Crambus

- w. *Dumetellus*, b. In chalky places.
pratellus, b. In fields.
pascuellus, b. In fields and on heaths.
m.w. *silvellus* In moist meadows, near woods.
hortuellus, b. In fields.
w. *cerussellus*, b. In chalky places, and on sand.
w. *falsellus*, e. Flies over mossy thatch at dusk.
w. *pinetellus*, m. In heathy places, among fir trees.
w. *margaritellus* On moors in the North.

JULY.—*Appearing in the Imago state.*

- w. *Lapponicellus* On Snowdon, and on the Cumberland mountains.
- m.w. *Pedriolellus*, m. On sandy coasts (Yarmouth).
culmellus In fields.
inquinatellus } In chalky places and on sand.
geniculeus, e. }
- m.w. *contaminellus*, m. In sandy places (Blackheath).
- w. *selasellus*, m. In moist meadows.
perrellus, b. In fields.
- Warringtonellus* b. In heathy places, and mosses.
- Eudorella Græcella*, e. Among thistles, in marshy places.
pyralella, b. In chalky places.
- w. *crategella* In chalky places (and near Edinburgh).
frequenella On palings and trunks of fir trees.
- m.w. *concinella*, m. On the coast (Folkestone and Devonshire).
- m.w. *Portlandica* In the Isle of Portland, on the rocks.
- m.w. *delunella* On the trunks of fir trees.
- w. *murana*, b. On stone walls, in the North.
- w. *pallida* In marshy places, among *Arundo phragmites*.
Galleria mellonella Among bee-hives.
- Aphomia colonella* }
Melissoplatus }
- m.w. *bipunctanus* } In dry sandy places.
- Achroa grisella* Among bee-hives.
- w. *Nephopteryx abietella* .. On the trunks and branches of fir trees.
roborella .. On the trunks and branches of oaks.
- Pempelia carnella* In chalky places.
dilutella, b. In chalky places, among thyme.
- w. *ornatella*, b. In chalky places (Headley Lane).
- w. *perficiella*, m. Among hedges.
- w. *betulae*, b. Among birches.
palumbella, m. On heaths.
- Ephestia elutella* In ivy and in chocolate warehouses.
- w. *Homæosoma nebulella* .. Among thistles.
nimbellu In sandy places.
eluvella, b. Among thistles.
- Acrobasis consociella*, b. } Among oaks.
w. *tumidella* .. }
- w. *Cryptoblabes bistriga*, b. On the trunks of trees.
- w. *Myelois cibrum* Among thistles.
- w. *suavella* Among sloe bushes.
w. *advenella* Among hawthorn.
w. *epelydella*, b. Among sloe bushes.
- m.w. *ceratoniae*
- w. *pinguis* On the trunks of decayed ash trees.
- w. *artemisiella* Among *Artemisia*.
- w. *Hypoachalcia ahenella* .. In chalky places, among grass.

JULY.—*Appearing in the Imago state.*

m.w. *Gymnancyla canella*, b. On the coast, among *Atriplex*.

Tinea

- w. *marginepunctella*, b... "Hedges, near Pembury." J. J. W.
- m.w. *argentimaculella*, b... Dartford Heath, and near Hastings.
- m.w. *rufimetrella* "At Margate." W. Bentley.
- w. *angusticostella*, b. In chalky places and on sand.
- ferruginella* In old hedges and in coal-pits.
- tapetella*, b. In houses, among clothes.
- w. *arcella*, e. In old hedges.
- w.m. *caprimulgella*, b. On a paling, near Hackney.
- w. *corticella* On the trunks of hornbeams.
- pellionella* } In houses.
- biselliella* }
- w. *ochraceella* In ants'-nests.
- cæsiella*, e. }
- oxyacanthella*, e. ... }
- cerasiella*, m. } Among hawthorn hedges.
- cratægella*, m. }

m.w. *Ochsenheimeria Birdella* On a wall, at Liverpool.

bisontella. In fields, flies from 12 to 2 p.m.

Micropteryx

- m.w.** *subammanella*, m.... In mixed underwood, Torwood.
- w. *Adela Dumerilella*, b. ... In the Cambridgeshire fens, and near Mickleham.

Nemotois

- w. *Schiffermullerellus*, b. Among flowers, in dry places.
- w. *minimellus*, b. In moist meadows.
- w. *Euplocamus boleti* On the trunks of decayed trees.
- w.w. *Plutella porrectella* In gardens, among *Hesperis matronalis*.
- w. *sequella* Among maple and elms.
- vittella* Among elms and beeches.
- fissella*, m. Among oaks.
- costella*, m. Among oaks and beeches.
- w. *antennella* In heathy places, on sand.
- nemorella*, b. } Among honeysuckle.
- harpella* }
- w. *horridella* .. } Among apple trees.
- w. *scabrella* .. }

Ypsolophus

- m.w.** *humeralis*, b. In dry sandy places.
- w. *parenthesellus*, b. On chalk or sand, among furze or broom.
- marginellus*, m. Among juniper bushes.
- w. *Durdhamellus*, b. On Durdham Downs, near Bristol.
- m.w.** *palustrellus*, b. In the Cambridgeshire fens.
- m.w.** *Aplopa palpella* (Among clover?), Ripley and Hainault Forest.
- w. *Anarsia spartiella*, m. ... Among broom and *Genista tinctoria*.
- Anchinia bicostella*, b. .. On heaths.

JULY.—*Appearing in the Imago state.*

M.W. *Limnæcia phragmitella*. Among bullrushes, at Hammersmith.

Hypercallia

M.W. *Christiernini*, b. In sand-pits and chalky places.

Euciphora

Olivella (Among oaks?)

w. *flavimaculella*, b. Among *Angelica sylvestris*.

M.W. *fuscifrontella*, b. Among mixed underwood, Torwood.

M.W. *formosella* On trunks of trees, palings, &c.

lunaris On palings, trunks of trees, &c.

M.W. *lambdella*, b. In sandy places (among furze?)

w. *Panzerella*, b. In bushy places.

pseudospretella, m. In houses, outhouses, &c.

fuscescens, m. In houses and in old hedges.

lacteella { In houses.

w. *deauratella*, m. }

w. *senescens* In chalky and sandy places.

w. *fuscocuprea*, b. On Durdham Downs, near Bristol.

w. *chenopodiella* Among *Chenopodium* and *Atriplex*.

Curtisella, b. Among ash trees.

Hyponomeuta

M.W. *vigintipunctatus*, e. Among *Sedum telephium*.

w. *plumbellus*, m. Among spindle.

M.W. *irrорellus*, m. In chalky places.

padellus, m. Among hawthorn.

malivorellus, m. Among apple trees.

cognatellus, m. Among spindle.

w. *evonymellus*, e. Among *Prunus padus*.

M.W. *Psecadialithospermella*, b. Among *Lithospermum* and *Pulmonaria*.

Orthotælia

w. *Sparganiella*, b. Among *Sparganium*.

M.W. *Exæretia Allisella*, b. Near Rotherham, and near Maryport, Cumberland.

Depressaria

costosa Among broom and furze.

liturella Among *Centaurea*.

assimilella Among broom.

w. *hypericella* Among *Hypericum*.

conterminella, b. Among sallows.

w. *angelicella* Among *Angelica sylvestris*.

M.W. *carduella*

applana, m. Among *Chærophyllo*.

w. *albipunctella*

w. *pulcherrimella*, m. Among juniper bushes.

w. *Douglasella*, m. In chalky places.

w. *Weirella*, b. Among *Chærophyllo sylvestre*.

w. *chærophyllyi*, m. Among *Chærophyllo*.

Carcina fagana, m. Among oaks, beeches, pear and apple trees.

These are
best
obtained
by beating
old thatch;
many are
also taken
at sugar.

JULY.—*Appearing in the Imago state.*

Gelechia

- populella* Among poplars, sallows and birches.
- w. *pernigella* Among sallows.
- rufescens* In hedges.
- cinerella*, b. In bushy places in woods.
- malvella*, b. Among hollyhocks.
- w. *velocella*, e. In sandy places, among heather.
- m.w. *lentiginosella*, m. Among *Genista tinctoria*.
- gallinella*, b. On heaths.
- w. *sororculella*, m. Among sallows.
- maculella*, m. { Among *Stellaria holostea*
- w. *tricolorella*, m. } Among *Stellaria uliginosa*.
- m.w. *fraternella* Among *Stellaria uliginosa*.
- m.w. *maculiferella*, b. On weedy banks.
- m.w. *Hübneri*, m. On the trunks of oaks, in the North.
- domestica*, m. In houses and on palings.
- w. *basalitinella*, b. From old thatch (at Addington).
- leucatella*, b. Among apple and hawthorn.
- m.w. *petiella* Among heather, bramble, &c. (W. Wickham).
- m.w. *alacella* (Among oaks?)
- terrella* In grass.
- desertella*, b. On sandy coasts.
- w. *senectella*, b. In dry sandy places.
- w. *distinctella*, m. In chalky places.
- w. *atriplicella* Among *Atriplex*.
- w. *obsoletella* Among *Chenopodium* and *Atriplex*.
- w. *instabilella* On sandy coasts.
- mulinella*, m. Among broom and furze.
- m.w. *boreella*, m. In a boggy place, near Dunoon.
- w. *nigra*, b. On the trunks of aspens.
- w. *rhombella* Among apple trees.
- w. *Walkeriella*, m. (Among fern?)
- w. *Lyellella*, e. (Among oaks? and hawthorn, New Forest.)
- fugitivella* Among maple and elm ; on palings.
- w. *sequaz*, m. Among *Helianthemum vulgare*.
- w. *Mouffetella*, b. Among honeysuckle.
- w. *ligulella*, b. Among *Lotus corniculatus*.
- tæniarella* In flowery places, on chalk.
- m.w. *coronillella*, b. In the hilly field, at Headley Lane, by sweeping.
- w. *atrella*, m. (Among furze bushes?)
- affinis* In sandy places.
- w. *bifractella* Among *Pulicaria vulgaris* and *Inula dysenterica*.
- m.w. *luteolentella*, b. On heaths and in marshy places.
- w. *lucidella* Among rushes.
- w. *subocellea* Among *Origanum vulgare*.
- m.w. *paupella* On the coast, Folkestone.
- w. *inopella*, b. Among *Inula dysenterica*.

JULY.—Appearing in the *Imago state.*

Gelechia

- dodecella*, b. Among fir trees.
- vulgella* Among hawthorn.
- artemisiella*, b. In dry sandy places.
- w. *nanella*, m. { Among orchard trees; on palings.
albiceps }
- w. *nigrovittella*, e. (Among oaks?)
- w. *Gerronella*, m. (Among fern?)
- w. *Hermannella*, b. Among *Chenopodium*.
- w. *naviferella*, e. Among *Chenopodium*.
- w. *gibbosella*, e. Among sallows.
lappella, b. Among *Arctium Lappa*.
- w. *Metsneriella* In dry sandy places.
Carlina, e. Among *Carlina vulgaris*.
- m.w. *neuropterella*, m. In dry sandy places, and in Headley Lane.
- w. *Röslerstammia granitella* Among *Inula dysenterica*.
- w. *Echmia Haworthella* .. On heaths in the North.
- w. *equitella*, b. .. Flies by day over *Sedum acre*.
Fischeriella, b. .On flowers generally.

Argyresthia

- ephippella*, b. In hedges.
- nitidella*, b. In hedges, among hawthorn.
- m.w. *purpurascenella*, m. In mixed hedges, in the North.
albistria In hedges.
- conjugella*, b. Among mountain ash.
- w. *glaucinella*, b. In hedges, on palings (Beckenham).
- retinella*, b. Among birches.
- w. *abdominalis*, b. { Among juniper.
directive, m. }
- w. *Andereggia*, m. Among wild apple.
- curvella*, b. Among orchard trees.
- w. *sorbiella* Among mountain ash.
pygmæella, b. Among sallows.
Goedartella Among birches and sallows.
Brockeella Among birches.
- m.w. *certella* { Among juniper.
- w. *aurulentella*, m. { Among juniper.
farinatella, b. }
- Ocnerostoma* { Among fir trees.
piniariella, b. }
- Coleophora spissicornis*, b. (Among clover?)
- w. *deauratella*, m. (Among clover?)
- w. *alcyonipennella*, b. .. Among *Centaurea nigra*.
- m.w. *Frischella*, b. (Among clover? Isle of Wight).
- m.w. *Wockeella*, b. (Among *Genista tinctoria*?) at Pembury.
- w. *lixella*, b. In chalky places.
ochrea, e. In chalky places, among *Potentilla argentea*.
- w. *vibicella* Among *Genista tinctoria*.

JULY.—Appearing in the Imago state.

Coleophora

- M.W. *conspicuella*, m. Among *Centauræ* (*scabiosa* ?), Headley Lane.
- M.W. *partitella*, b.
- M.W. *vulneraria*, b. (Among *Anthyllis vulneraria* ?)
- W. *tiliella*, b. } Among blackthorns, oaks, &c.
- W. *palliatella*, b. } Among blackthorns, oaks, &c.
- M.W. *currucipennella*, b. Among oaks.
- M.W. *niveicostella*, b. On heaths, and in chalky places.
- W. *discordella*, b. On heaths (and among broom ?)
- M.W. *saturatella*, m. On heaths (and among broom ?)
- W. *onoamella*, b. Among *Echium vulgare*.
- W. *therinella*, b. } In grassy places.
- W. *troglodytella*, b. } In grassy places.
- lineolea, b. Among *Bellota nigra*.
- annulatella* Among grassy places.
- W. *argentula*, m. (Among thistles ?) and *Achillea millefolium*.
- M.W. *hemerobiella*, m. Among pear trees.
- M.W. *juncicolella*, m. (Among rushes ?)
- nigricella*, b. Among hawthorn.
- fuscedinella*, b. Among elms (and alders ?)
- W. *orbitella* In bushy places.
- W. *Bindarella* (Among alders ?)
- W. *bithargyrinella* (Among sallows ? and *Myrica gale* ?) in the North.
- lutarea*, b. Among oaks.
- W. *badiipennella* Among ash trees (and elms ?)
- Zelleria*
- W. *insignipennella*, e. (Among firs and yew trees ?) Pembury and Headley Lane.
- Gracilaria Franchella*, e. Among oaks.
- W. *hemidactylella*, m. Among maple.
- W. *falconipennella*, e. } Among alders.
- W. *elongella* } Among alders.
- W. *auroguttella*, m. Among *Hypericum*.
- W. *ononidis* Among *Ononis* and *Genista tinctoria*.
- W. *omissella*, e. Among *Artemisia vulgaris*.
- W. *ocnerostomella*, b. (Among *Echium vulgare* ?)
- Coriscium substriga*, b. Among oaks.
- W. *Ornix torquillella* (Among sloe bushes ?)
- Cosmopteryx Zieglerella*. Near Hackney, in mixed hedges.
- M.W. *pedella*, b. (Among alders ? or buckthorn ?)
- M.W. *Lienigiella*, b. In the Cambridgeshire fens.
- W. *pinicolella*, b. Among fir trees.
- præangusta, m. Among poplars and willows.
- W. *Elachista testaceaella*, m. Among *Chærophyllum sylvestre*.
- W. *Illigerella* Among *Ægopodium podagraria*.
- M.W. *insecurella*, e. On the downs at Stoat's Nest.
- epilobiella*, m. Among *Epilobium hirsutum*.

JULY.—*Appearing in the Imago state.*

Elachista

- w. *rhamniella* (Among buckthorn ?)
- w. *gibbiferella*, b. (Among sallows ?)
- m.w. *propinquella*..... At Deal, Fulham, near Bristol, and in the Fens.
- Linnæella*, m. On the trunks of lime trees (St. James's Park).
- w. *locupletella* (Among rushes ?)
- m.w. *terminella*, b. (Among alders ?)
- m.w. *eratella*, b. On flowers, near cornfields, on sand.
- m.w. *niveipunctella*, m. ... Among *Epilobium hirsutum*.
Vau-flava In wine-vaults, and wine-cellars.
luticimella, b. On palings (Dartford Heath).
- w. *Kilmunella*, b. In mosses and mountain bogs.
cinereopunctella, m. ... In chalky places.
- Bedellella* Among the short grass of the chalk Downs.
- obscurella* Among grass, flying before dusk.
- Gleichella*, b. In chalky and sandy places.
- m.w. *regificella*, e. (Among oaks ?) near Brislington.
- Megerella* In hedges.
- w. *cerussella*, b. In wet places, flies at dusk.
- w. *rhynchosporaella*, b. } In mosses, and mountain bogs.
- m.w. *eleochariella*, m. ... }
- w. *collitella*, b. }
- w. *pollinariella*, b. ... }
- w. *biatomella* On Durdham Downs, near Bristol, and on sandy coasts.
- w. *dispilella* On chalky downs.
- Lyonetia Clerckella* Among apple trees and birches.
- w. *Phyllocnistis suffusella* .. Among poplars.
- w. *saligna* Among willows.
- Cemostoma*
- spartifoliella*, b. Among broom.
- laburnella*, e. On palings, under Laburnums.
- scitella*, b. Among hawthorn, apple and pear.
- w. *Opostega salaciella* On dry banks.
- w. *crepusculella*, b. In boggy places.
- w. *Bucculatrix maritima*, b. On sandy coasts.
- w. *frangulella*, b. Among buckthorn.
- m.w. *hippocastanella*, m. ... Among limes, horse-chestnuts, birches ? and alders ?
- Nepticula aurella*, m. ... In hedges, and on palings.
- w. *argentipedella*, b. (Among birches ?)
- m.w. *Louisella*, e. "At Portshead, Somersetshire."
- w. *tramaculella*, m. Among poplars.
- Trifurcula immundella*, e. Among broom.
- Lithocletis*
- pomifoliella*, e. Among hawthorn.

JULY.—Appearing in the Imago state.

Lithocletis

- pomonella*, e. Among sloe bushes.
- faginella*, e. Among beeches.
- ulmifoliella*, m. Among birches.
- quercifoliella*, m. Among oaks.
- Messaniella*, m. Among evergreen and common oaks.
- w. *corylifoliella*, e. (Among hawthorn?)
- w. *scopariella*, b. On broom.
- w. *ulicicella*, b. Among furze bushes.
- m.w. *Kleemannella* Among alders.
- w. *tristigella*, e. (Among elms?), on palings.
- w. *trifasciella* Among honeysuckle.
- m.w. *Adactyla Bennetti* On sandy coasts.

Pterophorus

- m.w. *rhododactylus*, b. Among roses.
- ochroductylus*, b. In sandy places.
- trigonodactylus* Among *Tussilago farfara*.
- w. *parvidactylus*, b. In sandy and chalky places.
- w. *hieracii*, b. Among *Hieracium umbellatum*.
- w. *pilosella* Among *Hieracium pilosella*.
- w. *pheodactylus*, b. Among *Ononis*.
- bipunctidactylus*, m. In moist places in woods.
- fucus*, b. Among *Veronica Chamaedrys*.
- w. *lithodactylus*, m. Among *Inula dysenterica*.
- pterodactylus* Among *Convolvulus sepium*.
- w. *tephradactylus* } In chalky places.
- m.w. *osteodactylus* }
- w. *microdactylus* Among *Eupatoria Cannabinum*.
- w. *paludum*, m. In the Cambridgeshire fens.
- m.w. *brachydactylus*
- galactodactylus*, b. Among *Arctium Lappa*, in dry places.
- m.w. *spilodactylus*, m. Among *Marrubium vulgare*.
- w. *baliodactylus*, m. In chalky places (Headley Lane).
- w. *tetradactylus*, b. In chalky places, among *Thymus serpyllum*?
- pentadactylus*, b. Among *Convolvulus arvensis*.
- Alucitina polydactyla* .. In hedges, among honeysuckle.

Appearing in the LARVA or PUPA state.

- w. *Crambus falsellus*, b. P. Under and in moss, in silken galleries.
- m.w. *Acrobasis angustella*, m. Between united leaves of spindle.

w. *Exapate salicella* On alders, sallows, birches and oaks.

Chimabacche

- phryganella*, b. On oaks.
- w. *Tinea corticella*, b. In fungi, on hornbeam.
- peltinella* In cases, on furs, clothes, &c.
- cerasiella*, b. On apple, cherry and plum.
- crataegella*, b. On hawthorn, gregariously.

JULY.—Appearing in the Larva or Pupa state.

- Plutella cruciferarum* .. On cabbages and other cruciferous plants.
w. *cultrella*, b. On spindle bushes.
- Cecophora lacteella* Among seeds.
- w. *chenopodiella*. On *Chenopodium* and *Atriplex*, under a loose web.
- Hyponomeuta*
- m.w. *vigintipunctatus*, b. On *Sedum telephium*.
- m.w. *Psecadia echiella*, b. On *Echium vulgare*.
- Depressaria arenella*, b. On *Centaurea nigra*.
characterella, b. On sallows.
- w. *ciliella* On *Angelica sylvestris*.
- m.w. *depressana*, m. In the umbels of *Daucus Carota* and *Pastinaca sativa*.
w. *pimpinella* On *Pimpinella saxifraga*.
- m.w. *emeritella*, e. On *Tanacetum vulgare*.
- w. *cherophylli*, b. On *Chærophyllum nervosa*, m. On *Phellandrium aquaticum* and *Cicuta virosa*.
heracleana, b. On *Heracleum sphondylium*, on the umbels and stems.
- w. *Gelechia costella*, e. On *Solanum dulcamara*, mining the leaves, &c.
- w. *cirsella*, m. In the leaves of *Cirsium lanceolatum*, mining.
- w. *atriplicella*.... In the shoots of *Atriplex*.
- w. *obsoletella* In the stems of *Atriplex* and *Chenopodium*.
- w. *næviferaella*, b. In the leaves of *Chenopodium*, mining.
- w. *Coleophora ochrea*, b. On *Potentilla argentea*.
- w. *argentula*, b. On the flowers of *Achillea millefolium*.
- Gracilaria*
- w. *auroguttella*, b. P. In rolled up leaves of *Hypericum perforatum*.
- w. *omissella*, b. In the leaves of *Artemisia vulgaris*, mining.
Coriscium substriga, e. On oaks.
- w. *Ornix meleagripennella* On nut bushes.
guttea, e. On apple trees.
- Elachista epilobiella* In the tops of *Epilobium hirsutum*.
- m.w. *Ræsella*, b. On *Chenopodium bonus Henricus*, under a web gregariously.
- m.w. *niveipunctella*, b. In the leaves of *Epilobium hirsutum*, mining.
Lyonetia Clerckella, e. In the leaves of apple trees.
- w. *Phyllocnistis suffusella*.. In the leaves of poplars.
Tischeria marginata In the leaves of brambles.
- m.w. *Lithocletis roboris* .. } In oak leaves.
- m.w. *hortella*..... } In the leaves of *Viburnum lantana*.
- m.w. *elatella*..... } In the leaves of *Viburnum lantana*.
- w. *lautella*..... In oak leaves.
pomifoliella, b. In hawthorn leaves.
- w. *coryli* In nut leaves.
pomonella, b. In sloe leaves.

JULY.—*Appearing in the Larva or Pupa state.**Lithocolletis*

- w. *faginella*, b. In beech leaves.
 w. *carpinicolella* In hornbeam leaves.
ulmifoliella, b. In birch leaves.
spinotella In sallow leaves.
quercifoliella, b. In oak leaves.
Messaniella, b. In the leaves of evergreen and common oaks.
alnifoliella In alder leaves.
 w. *Heegeriella* { In oak leaves.
Cramerella }
 w. *tenella* In hornbeam leaves.
rykella In maple leaves.
Schreberella In elm leaves.
- Pterophorus*
 m.w. *spilodactylus*, b. On *Marrubium vulgare*.

AUGUST.

Appearing in the IMAGO state.

- Chilo phragmitellus*, b. } Among *Arundo phragmites*.
 w. *gigantellus*, b. ... }
forsicellus, b. Among *Pea aquatica*.
- Crambus*
- w. *hamellus* On sandy heaths,
 m.w. *sitvellus* In moist meadows near woods.
 m.w. *ericellus* On mountains in Scotland.
 m. *falsellus*, b. Flies over mossy thatch at dusk.
pinetellus, b. In heathy places, among fir trees.
 m.w. *latistrius* On sandy heaths (Weybridge).
margaritellus, b. On moors in the North.
 m.w. *Pedriolellus*, b. On sandy coasts (Yarmouth).
cultellus, b. In fields.
inguinatellus, b. ... } In chalky places and on sand.
geniculus }
tristellus In fields.
 w. *selasellus*, b. In moist meadows.
 m.w. *lithargyrellus* In dry sandy places (Guildford ?)
- Eudorea Græcella*, b. ... Among thistles in marshy places.
- w. *truncicolella*, b. On the trunks of fir trees (W. Wickham).
 w. *crataegella*, b. ... In chalky places (and near Edinburgh).
 m.w. *Portlandica*, b. In the Isle of Portland, on the rocks.
 w. *murana*, b. On stone walls in the North.
coarctata, e. ... On rocks, Arthur's Seat ; on cliffs, Exmouth.
- Aphomia colonella*, b. }
Melissoblaptes } In dry sandy places.
 m.w. *bipunctanus*, b. ... }

AUGUST.—*Appearing in the Imago state.*

- Nephopteryx*
- w. *abietella*, b. On the trunks and branches of fir trees.
 - w. *roborella*, b. On the trunks and branches of oaks.
 - Pempelia carnella*, b. .. In chalky places.
 - w. *ornatella*, b. .. In chalky places (Headley Lane).
 - m.w. *Anerastia Farrella* On sandy coasts (Yarmouth, Deal).
 - w. *Homosoma nebulella*, b. Among thistles.
 - w. *nimbella*, b...In sandy places.
 - w. *Myelois cibriformis*, b. Among thistles.
 - w. *pinguis*, b. On the trunks of decayed ash trees. *
- Tinea*
- m.w. *imella* (I have taken this at light.)
 - w. *arcella*, b. In old hedges.
 - m.w. *monachella* In the Cambridgeshire fens.
 - cloacella* In woollen warehouses and old hedges.
 - ruricolella* In old hedges.
 - w. *corticella* On the trunks of hornbeam.
 - m.w. *Knockiella*, b. In houses and old hedges.
 - pellionella* { In houses.
 - biselliella* }
 - w. *ochraceella*, b. In ants' nests.
 - ganomella* In old hedges.
 - w. *nigripunctella* In outhouses (Brislington).
 - caesiella*, b. {
 - w. *orygacanthella*, b. ... } Among hawthorn hedges.
 - cerasiella*, b. }
- Ochsenheimeria*
- bisontella*, b. In fields, flies from 12 to 2, p.m.
 - w. *vacculella*, b. In moist places in woods.
 - w. *Plutella cruciferarum* .. Among cabbages and other cruciferous plants.
 - maculipennis* .. In sandy and chalky places.
- m.w. *annulatella*, e... On the coast (near Belfast).
 - w. *Dalella*, e. On moors in the North.
 - w. *sequella* Among maple and elms.
 - vittella* Among elms and beeches.
 - fissella* Among oaks.
 - costella* Among oaks and beeches.
 - w. *sylvestra*, m. Among oaks.
 - alpella* Among oaks.
 - harpella* Among honeysuckle.
 - w. *scabrella* { Among apple trees.
 - m.w. *asperella*, e... } Among apple trees.
 - w. *cultrella*, e. Among spindle.
- Ypsolophus*
- marginellus*, b. Among juniper bushes.
- m.w. *Aploita palpella* (Among clover? Ripley and Hainault Forest).
- (*Ecophora*)
- Oliviella*, b. (Among oaks?)

AUGUST.—Appearing in the Imago state.

Ecophora

- lunaris*, b. On palings and trunks of trees, &c.
- w. *unitella* On palings and in mixed hedges.
- pseudo-spretella*, b. In houses, outhouses, &c.
- fuscescens*, b. In houses and on old hedges.
- lacteella* { In houses.
- w. *deauratella*, b. }
- w. *chenopodiella* Among *Chenopodium* and *Atriplex*.

Hyponomeuta

- m.w. *vigintipunctatus*, b. Among *Sedum telephium*.
- w. *plumbellus*, b. Among spindle.
- padellus*, b. Among hawthorn.
- malivorellus*, b. Among apple trees.
- cognatellus*, b. Among spindle.
- w. *evonymellus*, b. Among *Prunus padus*.
- m.w. *Psecadia echella*, b. Among *Echium vulgare*.

Depressaria

- costosa* Among broom and furze.
- liturella* Among *Centaurea*.
- w. *ulicetella* Among furze.
- w. *nanatella*, m. (Among furze?)
- atomella* Among broom and *Genista tinctoria*.
- arenella* Among *Centaurea*.
- w. *Alstræmeriana*, e.
- purpurea*, e.
- m.w. *carduella*, m.
- characterella*, m.
- w. *intermediella*, m.
- applana*, e. Among *Cherophyllum*.
- w. *ciliella*, m. Among *Angelica sylvestris*.
- w. *pimpinella* Among *Pimpinella saxifraga*.
- w. *albipunctella*
- m.w. *emeritella*, e. Among *Tanacetum vulgare*.
- w. *Douglasella*, b. On the coast, and on chalk.
- w. *chærophylli* Among *Cherophyllum*.
- w. *badiella*, b. In chalky places.
- heracleana* Among *Heracleum sphondylium*.

These are
best
obtained
by beating
old thatch;
many are
also taken
at sugar.

Carcina fagana, b. Among oaks, beeches, pear and apple trees.

Gelechia

- populella*, b. Among poplars, sallows and birches.
- w. *velocella*, b. In sandy places, among heather.
- m.w. *tentiginosella* Among *Genista tinctoria*.
- w. *costella* Among *Solanum dulcamara*.
- m.w. *junctella*, m. On the trunks of oaks, Hainault Forest.
- m.w. *Hübneri*, b. On the trunks of oaks, in the North.
- marmorea*, m. On sandy coasts.

AUGUST.—Appearing in the Imago state.

- Gelechia*
- domestica*, b. In houses and on palings.
 - w. *cirsicella*, b. Among *Cirsium lancelatum*.
 - w. *distinctella*, b. In chalky places.
 - w. *atriplicella*. Among *Atriplex*.
 - w. *obsoletella* Among *Chenopodium* and *Atriplex*.
 - mulinella*, b. Among broom and furze.
 - difflinis*, m. In sandy places.
 - w. *Lyellella* (Among oaks ? and hawthorn ? New Forest.)
 - w. *sequax*, b. Among *Helianthemum vulgare*.
 - tenuicella*, b. In flowery places, on chalk.
 - anthyllidella* Among clover, flying low at dusk.
 - m.w. *nigritella*
 - m.w. *immaculatella* "At West Wickham Wood."
 - w. *bifractella*, b. Among *Pulicaria vulgaris* and *Inula dysenterica*.
 - w. *nigrovittella* (Among oaks ?)
 - w. *neviferaella*, b. Among *Chenopodium*.
 - m.w. *brisella* Among *Statice armeria*.
 - w. *pictella* On sandy coasts.
 - w. *Metsneriella*, b. In dry sandy places.
 - Carlinella*, b. Among *Carline vulgaris*.
 - m.w. *neuropterella*, b. In dry sandy places, and in Headley Lane.
- Röslerstammia*
- m.w. *betulella*, b. "Among birch trees, Castle Eden Dean."
- Argyresthia*
- w. *semitestacella*, m. Among beeches.
 - w. *spiniella*, m. Among mountain ash.
 - w. *semifusca* (Among beeches, and *Clematis vitalba* ?)
 - w. *Andereggella*, b. Among wild apple.
 - w. *aurulentella*, b. Among juniper bushes.
 - w. *Coleophora ochrea*, b. Among *Potentilla argentea*, in chalky places.
 - m.w. *inulae* Among *Inula dysenterica*.
 - annulatella*, b. In grassy places.
 - argentula*, b. (Among thistles ?) and *Achillea millefolium*.
- Gracilaria Francella*, b. Among oaks.
- w. *falconipennella* Among alders.
 - w. *semifascia*, m. (Among *Clematis vitalba* ?)
 - elongella* Among alders.
 - syringella*, e. Among lilacs.
 - w. *tringipennella*, m. In grass (among sorrel ?)
 - w. *auroguttella* Among *Hype icum*.
 - w. *ononidis*, b. Among *Osmunda* and *Genista tinctoria*.
 - w. *omissella*, b. Among *Artemisia vulgaris*.
 - Coriscium substriga*, e. Among oaks.
 - w. *sulphurellum*, e. In heathy places.
 - w. *Ornix meleagripennella* Among nut bushes.
 - Anglicella* In hedges (hawthorn ?)

AUGUST.—Appearing in the *Imago* state.

- Cosmopteryx*
- præangusta*, b. Among willows and poplars.
 - w. *Elachista testacea*, b. . Among *Chærophyllum sylvestre*.
 - m.w. *insecurella*, b. On the downs at Stoat's Nest.
 - epilobiella* Among *Epilobium hirsutum*.
 - m.w. *Stephensi* On old thorns, Hainault Forest.
 - Linnæella*, b. On the trunks of lime trees (St. James's Park).
 - m.w. *Roesella* Among *Chenopodium Bonus Henricus*.
 - m.w. *niveipunctella*, b. Among *Epilobium hirsutum*.
 - Vau-flava*, b. In wine vaults and wine cellars.
 - nigrella* In mixed hedges, and on palings.
 - Bedellella*, b. Among the short grass of the chalk downs.
 - obscurella* Among grass, flying before dusk.
 - w. *magnifica*, b. In the hilly field at Headley Lane, by sweeping.
 - m.w. *regicella*, b. (Among oaks ?), near Brislington.
 - w. *bisulcella* (Among oaks ?)
 - Megerella* In hedges.
 - w. *cerussella*, e. In wet places, flies at dusk.
 - Lyonetia Clerckella* Among wild apple.
 - w. *Phyllocnistis saligna* .. Among willows.
 - Cemiostoma laburnella*, b. On palings under *Laburnum*.
 - w. *Opostega salaciella*, b. .. On dry banks.
- Bucculatrix*
- w. *aurimaculella* (Among *Carices* ?) and in hedges.
 - ulmella* } Among oaks.
 - m.w. *vetustella*, m. }
 - m.w. *hippocastanella*, b. Among limes, horse-chestnuts, birches ? and alders ?
 - m.w. *cristatella*, b. Among grass, in chalky places, by sweeping.
 - Nepticula atricapitella* .. On the trunks of oaks and on palings.
 - w. *pygmæella* ... (Among hawthorn ?) flies at daybreak.
 - w. *centifoliella* .. On palings, at Beckenham.
- Trifurcula*
- m.w. *atrifrontella*, m. " From a mixed hedge, among oaks, Lewis-ham."
 - m.w. *squamatella*, m. Among broom, at Charlton sand-pit.
 - immundella*, b. Among broom.
 - Tischeria marginata*, b. .. Among brambles.
- Lithocletis*
- m.w. *roboris* }
 - m.w. *hortella* } Among oaks.
 - m.w. *Amyotella* }
 - m.w. *elatella*, m. Among *Viburnum lantana*.
 - w. *lautella*..... Among oaks.
 - pomifoliella* Among hawthorn.
 - w. *coryli* Among nut bushes.
 - pomonella*, b. Among sloe bushes.

AUGUST.—Appearing in the Imago state.

Lithocletis

- w. *carpinicolella* Among hornbeams.
- Spinolella*, b. Among sallows.
- Messaniella*, b. Among evergreen and common oaks.
- w. *corylifoliella*, b. (Among hawthorn ?)
- alnifoliella* Among alders.
- w. *Heegeriella* } Among oaks.
- Cramerella* }
- w. *tenella* Among hornbeam.
- sylvella* Among maple.
- w. *emberizapennella* Among honeysuckle.
- m.w. *Frölichella* Among alders.
- w. *Schreberella* Among elms.
- w. *tristrigella*, b. (Among elms ?); on palings.
- w. *trifasciella*, b. Among honeysuckle.
- m.w. *comparella*, e. Among white poplars.
- m.w. *Adactyla Bennetii*, b.... On sandy coasts.

Pterophorus

- trigonodactylus*, b. Among *Tussilago farfara*.
 - w. *pilosellæ*, b. Among *Hieracium pilosella*.
 - bipunctidactylus*, b. In moist places in woods.
 - m.w. *spilodactylus*, b. Among *Marrubium vulgare*.
- Alucitina polydactyla* ..In hedges, among honeysuckle.

Appearing in the LARVA or PUPA state.

- Achroea grisella* In the comb of hive bees.

Ephestia

- elutella*, e..... } In dried fruits.
- w. *interpunctella*, e. ... }
- w. *Homæosoma nimbella*, e..In the seeds of *Jasione montana*, and in stems
of hollyhock.
- m.w. *Gymnancyla canella*, e..On *Atriplex*.
- w. *Exapata salicella* On alders, sallows, birches and oaks.
- Chimabacche fagella*, e..On oaks, beeches and birches.
- Semioscopis*
- w. *Steinkellneriana*, e. ..On hawthorn (sloe?) and mountain ash.
- w. *Œcophora flavimaculella*.On the seeds of *Angelica sylvestris*.
- w. *lacteella* Among seeds.
- w. *chenopodiella* ..On *Chenopodium* and *Atriplex*, under a loose
web.

Depressaria

- w. *propinquella*, m. Under a web, on the underside of the leaves of
Cirsium lanceolatum.
- m.w. *depressana* In the umbels of *Daucus Carota* and *Pastinaca
sativa*.
- w. *pimpinelle*, b. On *Pimpinella saxifraga*.
- w. *Gelechia costella*, b. On *Solanum dulcamara*, mining the leaves, &c.

AUGUST.—Appearing in the Larva or Pupa state.

Gelechia

- w. *obsoletella* In the stems of *Atriplex* and *Chenopodium*.
 w. *Hermannella* .. On *Chenopodium*, mining the leaves when young, afterwards constructing a case of the blossom.

Gracilaria

- stigmatella*, e. In cones on the leaves of sallows, willows and poplars.
 w. *elongella*, e. In cones on the leaves of alder.
 m.w. *phasianipennella*, e. In cones under the leaves of *Polygonum hydro-piper*.

Coriscium

- substriga*, b. On oaks.
 w. *cuculipennellum*, m. In rolled-up leaves of privet.
Ornix guttea, b. On apple leaves
Elachista epilobiella, b. In the tops of *Epilobium hirsutum*.
 w. *Phyllocnitis saligna* In willow leaves.
Cemostoma scitella, e. In the leaves of hawthorn, apple and pear.
Bucculatrix
 w. *frangulella*, e. On buckthorn.
 m.w. *hippocastanella*, e. On limes, horse-chestnuts, birches? and alders?
Tischeria complanella .. In oak leaves.
 m.w. *Lithocollotis elatella*, b. In the leaves of *Viburnum lantana*.
 w. *coryli*, b. In nut leaves.

SEPTEMBER.

Appearing in the IMAGO state.

- Crambus tristellus*, b. In fields.
 w. *Eudorea lineolea*, e. On the race-course at Doncaster.
 w. *coarctata* On rocks, Arthur's Seat; on cliffs, Exmouth.
Ephestia
 w. *interpunctella*, m. On the walls of fruit warehouses and fruit wharfs.
 m.w. *Acrobasis angustella*, b. Among spindle.
 m.w. *Tinea imella*, b. I have taken this at light.
 w. *spretella*, m. ... } In houses.
pellionella }
 m.w. *pallescentella* "In the streets of Liverpool."
Ochsenheimeria
 w. *vaccarella*, b. In moist places in woods.
Plutella
 w. *maculipennis*, b. In sandy and chalky places.
 m.w. *annulatella*, b. On the coast (near Belfast).
 w. *Dalella*, b. On moors in the North.
fissella Among oaks.
costella, b. Among oaks and beeches.

SEPTEMBER.—*Appearing in the Imago state.*

- Plutella*
- w. *sylvestra*, b. Among oaks.
- m.w. *asperella* Among apple trees.
- w. *cultrella* Among spindle.
- (Ecphora lacteella* In houses.
- w. *chenopodiella*.. Among *Chenopodium* and *Atriplex*.
- Depressaria*
- w. *pallorella*
- w. *ulicetella* Among furze.
- atomella* Among broom and *Genista tinctoria*.
- w. *propinquella* Among thistles.
- w. *subpropinquella*.....
- purpurea*
- m.w. *caprella*
- Yeatiana*
- w. *appiana* Among *Chærophyllum*.
- w. *rotundella*.... In chalky or sandy places.
- w. *pimpinella*, b. Among *Pimpinella saxifraga*.
- w. *albibipunctella*
- w. *chærophylli*, b. Among *Chærophyllum*.
- w. *ultimella* On the coast.
- nervosa* Among *Phellandrium aquaticum*.
- w. *pastinacella* In chalky places.
- Heracleana* Among *Heracleum Sphondylium*.
- w. *Gelechia costella*, b. Among *Solanum dulcamara*.
- m.w. *vicinella* "On the coast, near Belfast."
- marmorea*, b. ... On sandy coasts.
- m.w. *celerella* "On the sand hills, at Liscard, New Brighton."
- w. *obsoletella* Among *Chenopodium* and *Atriplex*.
- w. *Lyellella*, b. ..(Among oaks ? and hawthorn ? New Forest).
- conscriptella* ..On the trunks of poplars.
- Argyreathia*
- w. *semitestaceaella*, b. Among beeches.
- w. *spinella*, b. Among mountain-ash.
- m.w. *Coleophora onobrychiella*.Among *Onobrychis*.
- m.w. *Zelleria fasciapennella*..(Among *Vaccinium* ?); on the Pentlands.
- Gracilaria*
- m.w. *stramineella* In mixed underwood, Torwood.
- stigmatella* Among sallows, willows and poplars.
- w. *hemidactylella* Among maple (at Whittlebury Forest).
- w. *falconipennella* Among alders.
- w. *populetorum*, m. Among poplars.
- w. *semifascia* (Among *Clematis vitalba*?)
- w. *elongella* Among alders.
- w. *tsyringella*, b. Among lilacs.
- m.w. *phasianipennella*, m...Among *Polygonum hydropiper*.

These are
best
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old thatch ;
also at
sugar.

SEPTEMBER.—*Appearing in the Imago state.**Coriscium*

- substriga*, b. Among oaks.
- w. *cuculipennellum* Among privet.
- w. *sulphurellum* In heathy places.

Bedellia

- m.w. *sonnulentella* (Among *Convolvulus*? at Leatherhead).
- w. *Elachista decorella* In mixed hedges.
- w. *Lyonetia padifoliella*, m. (Among maple? at Whittlebury Forest.)
- w. *Phylloconistis suffusella* .. Among poplars.
- w. *saligna* Among willows.

m.w. *Nepticula Septembrella* ... "At West Wickham Wood."

- w. *Lithocolletis comparella* .. Among white poplars.

Pterophorus

- w. *acanthodactylus* On heaths and in sandy places.
- w. *pterodactylus* Among *Convolvulus Sepium*.

Appearing in the LARVA or PUPA state.

Galleria mellonella In the combs of hive bees.

Aphomia colonella, m. In the combs of humble bees.

Achrosa grisella In the combs of hive bees.

m.w. *Pempelia adelphella*, e. On osiers, between united leaves.

Ephesia elutella In dried fruits.

w. *Homaeosoma nimbella* .. On the seeds of *Jasione montana*, and in the stems of hollyhocks.

m.w. *Gymnancyla canella*, b. On *Atriplex*.

w. *Exapate salicella* On alders, sallows, birches and oaks.

Chimabacche fagella, b. On oaks, beeches and birches.

Semioscopis

w. *Steinkellneriana*, b. ..On hawthorn (sloe?) and mountain ash.

Tineo granella, e. In granaries, among corn.

m.w. *picarella*.....In fungi.

cavella On hawthorn? ("birch," F. v. R.).

w. *griseo-capitella* .. On birches, gregariously (Torwood).

Plutella cruciferarum .. On cabbages and other cruciferous plants.

m.w. *Ypsolophus fasciellus* .. On sloe.

Oecophora

w. *flavimaculella*, b. On the seeds of *Angelica sylvestris*.

lacteella Among seeds.

Hyponomeuta

m.w. *vigintipunctatus*, e. ..On *Sedum telephium*.

Psecadia

w. *decemguttella*, m. On *Lithospermum officinale*.

Gelechia malrella.....In the seeds of hollyhocks.

w. *obsoletella* In the stems of *Atriplex* and *Chenopodium*.

proximella Between birch leaves.

w. *notatella* Between sallow leaves.

SEPTEMBER.—*Appearing in the Larva or Pupa state.*

w. *Gelechia Hermannella*, b. On *Chenopodium*, mining the leaves when young, afterwards constructing a case of the blossom.

Gracilaria

stigmatella In cones on the leaves of sallows, willows and poplars.

syringella, m. Mining and rolling up the leaves of lilac.

m.w. *phasianipennella*, b. ... In cones under the leaves of *Polygonum hydropiper*.

w. *Ornix meleagripennella*, e. On nut bushes.

w. *Scoticella* On mountain ash.

w. *Elachista testaceaella* Under the leaves of *Cherophyllum sylvestre*.
Lyonetia Clerckella, m. In the leaves of apple trees.

w. *Phylloconistis suffusella* .. In the leaves of poplars.

Cemostoma laburnella, m. In the leaves of laburnums, mining.

scitella, b. ... In the leaves of hawthorn, apple and pear.

Bucculatrix

ulmella, e. On oaks.

cratigi, e. On hawthorn.

w. *Boyerella*, e. On elms.

w. *frangulella* On buckthorn.

m.w. *hippocastanella*, b. ... On limes, horse-chestnuts, birches ? and alders ?
Tischeria complanella .. In oak leaves.

Lithocletis

w. *coryli*, m. In nut leaves.

w. *emberizapennella*, m. .In honeysuckle leaves.

w. *Schreberella*, e. In elm leaves.

w. *trifasciella* On honeysuckle leaves.

Pterophorus

pterodactylus. b. On *Convolvulus Sepium*, eating the flowers and seeds.

w. *microdactylus* In the flowers of *Eupatoria Cannabinum*.

OCTOBER.

Appearing in the IMAGO state.

Galleria mellonella .. } Among bee-hives.

Achroea grisella }

Chimabacche

phryganella, m. Among oaks.

Tinea ferruginea In houses, outhouses and coal mines.

w. *spretella*, b. In houses.

Plutella fissella Among oaks.

m.w. *asperella*..... Among apple trees.

w. *cultrella* Among spindle.

Ecphora lacteella In houses.

w. *chenopodiella* ..Among *Chenopodium* and *Atriplex*.

OCTOBER.—*Appearing in the Imago state.*

- w. *Depressaria ulicetella* .. Among furze.
- w. *propinquella*. Among thistles.
- w. *applana* ... Among *Chærophyllum*.
- m.w. *depressana*... Among *Daucus Carota*.

These are
best
obtained
by beating
old thatch;
also at
sugar.

- w. *Gelechia obsoletella* Among *Chenopodium* and *Atriplex*.
conscriptella, b.. On the trunks of poplars.

- m.w. *Zelleria hepariella* In sandy places.

Gracilaria

- stigmatella* Among sallows, willows and poplars.
- w. *falconipennella*, b. ... Among alders.
- w. *semifascia*, b. (Among *Clematis vitalba*?)
- m.w. *phasianipennella*, b... Among *Polygonum hydropiper*.
- w. *Elachista testacea*, b. ..Among *Chærophyllum sylvestre*.
- w. *Phyllocoptis saligna* .. Among willows.

Lithocolletis

- Messaniella*, e..... Among evergreen and common oaks.
- w. *trifasciella*, e. Among honeysuckle.

Pterophorus

- w. *acanthodactylus*, b. ...On heaths and in sandy places.
pterodactylus Among *Convolvulus Sepium*.

Appearing in the LARVA or PUPA state.

- m.w. *Pempelia adelphella*, b..On osiers, between united leaves.
Ephestia elutella, b.....In dried fruits.

- m.w. *Acrobasis angustella*, b...Between the leaves and in the fruit of spindle.

- w. *Myelois cibrum*, e.In the stems of thistles.

- w. *Exapate salicella*, b.....On alders, sallows, birches and oaks.

- w. *Tinea Zinckenii*, e. P...In cases, under fallen birch leaves.
granella In granaries, among corn.

- w. *carpinetella*, e. ...In *Boletus fomentaceus* (a fungus).

- Ecphora lactesella* Among seeds.

Hyponomeuta

- m.w. *vigintipunctatus*, b..On *Sedum telephium*.

- m.w. *Psecadia echiella*On *Echium vulgare*.

- w. *decemguttella*...On *Lithospermum officinale*.

- Gelechia malvella*.....In the seeds of hollyhocks.

- w. *cirsicella*, b.....In the leaves of *Cirsium lanceolatum*, mining.

- w. *næviferella*, m...In the leaves of *Chenopodium*, mining.

Coleophora

- m.w. *pyrrhulipennella*On *Calluna vulgaris*.

- laricella*On larches.

- w. *Gracilaria auroguttella*..In cones on the leaves of *Hypericum perforatum*.

- w. *Ornix meleagripennella* ..On nut leaves.

OCTOBER.—*Appearing in the Larva or Pupa state.*

- Lyonetia Clerckella* In the leaves of apple trees.
Cemostoma laburnella, b. In the leaves of laburnum, mining.
Bucculatrix
 crataegi, b. On hawthorn.
w. *frangulella*, b. On hornbeam.
Tischeria complanella .. In oak leaves.
Lithocletis
m.w. *roboris* } In oak leaves.
m.w. *hortella* }
m.w. *elatella* In the leaves of *Viburnum lantana*.
w. *lautella* In oak leaves.
pomifoliella In hawthorn leaves.
w. *coryli* In nut leaves.
pomonella In sloe leaves.
faginella In beech leaves.
w. *salicicolella* In sallow leaves.
w. *Carpinicolella* In hornbeam leaves.
ulmifoliella In birch leaves.
Spinolella In sallow leaves.
querциfoliella In oak leaves.
w. *viminiella* In sallow (and osier?) leaves.
alnifoliella In alder leaves.
w. *Heegeriella* } In oak leaves.
Cramerella }
w. *tenella* In hornbeam leaves.
sylvella In maple leaves.
w. *emberizepennella* In honeysuckle leaves.
m.w. *Frölichiella* In alder leaves.
w. *Schreberella* In elm leaves.
w. *trifasciella* b. In honeysuckle leaves.

NOVEMBER.

Appearing in the IMAGO state.

- w. *Exapate gelatella* Sitting on old palings at night.
Chimabacche phryganella Among oaks.
Ecphora lacteella In houses.
Lithocletis
 Messaniella, b. Among evergreen and common oaks.
w. *trifasciella*, b. Among honeysuckle.
Pterophorus
 pterodactylus On palings.

Appearing in the LARVA or PUPA state.

- w. *Myelois cibriform* In the stems of thistles.
w. *Tinea Zinckenii* In cases, under fallen birch leaves.
w. *carpinetella* In *Boletus fomentaceus* (a fungus).

NOVEMBER.—*Appearing in the Larva or Pupa state.*

- Ecophora lacteella* Among seeds.
 w. *Gelechia bifractella* In the seed-heads of *Inula dysenterica*.
 m.w. *cerealella* Inside grains of barley, wheat, &c.
 w. *inopella* In the seed-heads of *Inula dysenterica*.
- Coleophora*
 w. *albitarsella* On *Glechoma hederacea*, in sheltered places.
lusciniapennella, b. On roses.
- Gracilaria*
 w. *auroguttella*, P. In rolled-up leaves of *Hypericum perforatum*.
Tischeria marginata In bramble leaves.
- Lithocletis*
 m.w. *roboris*, P. } In oak leaves.
 m.w. *hortella*, P. }
 m.w. *elatella*, P. In leaves of *Viburnum lantana*.
 w. *lautella*, P. In oak leaves.
pomifoliella, P. In hawthorn leaves.
 w. *coryli*, P. In nut leaves.
pomonella, P. In sloe leaves.
faginella, P. In beech leaves.
 w. *salicicolella*, P. In sallow leaves.
 w. *carpinicolella*, P. In hornbeam leaves.
ulmifoliella, P. In birch leaves.
Spinolella, P. In sallow leaves.
quercifoliella, P. In oak leaves.
 w. *viminiella*, P. In sallow (and osier ?) leaves.
alnifoliella, P. In alder leaves.
 w. *Heegeriella*, P. } In oak leaves.
Cramerella, P. }
 w. *tenella*, P. In hornbeam leaves.
sylvella, P. In maple leaves.
- m.w. *Frötichiella*, P. In alder leaves.
 w. *Schreberella*, P. In elm leaves.

DECEMBER.

Appearing in the IMAGO state.

- w. *Exapate gelatella* Sitting on old palings, at night.
Ecophora lacteella In houses.

Appearing in the LARVA or PUPA state.

- w. *Myelois cibrum* In the stems of thistles.
 w. *Tinea Zinckenii*, P. In cases, under fallen leaves.
 w. *carpinetella* In *Boletus fomentaceus* (a fungus).
Ecophora oppositella ... On celery seeds.
luteella On seeds.
 w. *Gelechia bifractella* In the seed-heads of *Inula dysenterica*.
 m.w. *cerealella* Inside grains of barley, wheat, &c.

DECEMBER.—Appearing in the Larva or Pupa state.

Gelechia

- w. *inopella* In the seed-heads of *Inula dysenterica*.
- w. *lappella* In the seeds of *Arctium Lappa*.
- w. *Carlinella* Under the seeds of *Carlina vulgaris*.
- w. *Coleophora albifarsella* .. On *Glechoma hederacea*.
- Gracilaria*
- w. *auroguttella*, P. In rolled-up leaves of *Hypericum perforatum*,
- Lithocletis*
- m.w. *roboris*, P. } In oak leaves.
- m.w. *hortella*, P. }
- w. *lautella*, P. }
- w. *faginella*, P. In beech leaves.
- w. *carpinicolella*, P. In hornbeam leaves.
- w. *quercifoliella*, P. ... }
- w. *Heegeriella*, P. } In oak leaves.
- w. *Cramerella*, P. }
- w. *tenella*, P. In hornbeam leaves.

IN the preceding pages I have, in order to ensure precision, mentioned several plants by their Latin names; but as many who will make use of this book may not be acquainted with the Latin names of plants, I annex a list of those previously mentioned, together with the English names by which they are generally known.

<i>Achillea millefolium</i>	Common Yarrow.
<i>Ægopodium podagraria</i>	Gout-weed.
<i>Aira canescens</i>	Grey Hair-Grass.
<i>Alsiné media</i>	Common Chickweed.
<i>Anemone nemorosa</i>	Wood Anemone.
<i>Angelica sylvestris</i>	Wild Angelica.
<i>Anthyllis vulneraria</i>	Kidney-Vetch; Lady's finger.
<i>Arctium Lappa</i>	Common Burdock.
<i>Artemisia campestris</i>	Field Southernwood.
<i>A ————— vulgaris</i>	Mugwort.
<i>Arundo phragmites</i>	Common Reed.
<i>Atriplex</i>	Orache.
<i>Ballota nigra</i>	Black Fetid Horehound.
<i>Calluna vulgaris</i>	Common Ling.
<i>Caltha (palustris)</i>	Common Marsh-Marigold.
<i>Cardamine pratensis</i>	Common Lady's-Smock.
<i>Carices</i>	Sedge.
<i>Carlina vulgaris</i>	Common Carline-Thistle.
<i>Centaurea nigra</i>	Black Knapweed.
<i>C ————— scabiosa</i>	Greater Knapweed.
<i>Ceratonia siliqua</i>	Not a British plant; is the fruit ever imported?
<i>Chœrophyllyum sylvestre</i>	Cow-parsley; Wild Chervil.
<i>Chenopodium</i>	Goosefoot.
<i>C ————— bonus Henricus</i>	Perennial Goosefoot.
<i>Cicuta virosa</i>	Water Hemlock.
<i>Cirsium lanceolatum</i>	Spear Plume-Thistle.
<i>Clematis vitalba</i>	Common Traveller's Joy.
<i>Convolvulus arvensis</i>	Small Bindweed.
<i>C ————— Sepium</i>	Great Bindweed.
<i>Coronilla varia</i>	Not a British plant; grown sometimes along with Lucerne.
<i>Dactylis glomerata</i>	Rough Cock's-foot Grass.
<i>Daucus Carota</i>	Wild Carrot.
<i>Echium vulgare</i>	Common Viper's Bugloss.
<i>Epilobium hirsutum</i>	Great hairy Willow-herb.
<i>Euonymus Europæus</i>	Common Spindle-tree.
<i>Empetrum Cannabinum</i>	Common Hemp-Agrimony.
<i>Fragaria vesca</i>	Wood Strawberry.
<i>Genista tinctoria</i>	Dyer's Greenweed.
<i>Geum urbanum</i>	Common Avens.
<i>Glechoma hederacea</i>	Ground-Ivy.

<i>Helianthemum vulgare</i>	Common Sun-Cistus.
<i>Heracleum sphondylium</i>	Common Cow-parsnip.
<i>Hesperis matronalis</i>	Dame's Violet.
<i>Hieracium pilosella</i>	Common Mouse-ear Hawkweed.
<i>H. —— umbellatum</i>	Narrow-leaved Hawkweed.
<i>Hypericum perforatum</i>	Common perforated St. John's-wort.
<i>Inula dysenterica</i>	Common Flea-bane.
<i>Jasione montana</i>	Common Sheep's Scabious.
<i>Lithospermum officinale</i>	Common Cromwell.
<i>Lotus corniculatus</i>	Common Bird's-foot Trefoil.
<i>Marrubium vulgare</i>	Common White Horehound.
<i>Mercurialis perennis</i>	Perennial mercury.
<i>Myrica Gale</i>	Sweet Gale.
<i>Onobrychis (satina)</i>	Common Saint-soin.
<i>Ononis procumbens</i>	Trailing Rest Harrow.
<i>O. — spinosa</i>	Thorny Rest-Harrows.
<i>Origanum vulgare</i>	Wild Majoram.
<i>Pastinaca sativa</i>	Common Parsnip.
<i>Phellandrium aquaticum</i>	Fine-leaved Water-Dropwort.
<i>Pimpinella saxifraga</i>	Common Burnet-Saxifrage.
<i>Poa aquatica</i>	Reed Meadow-grass.
<i>Polygonum hydropiper</i>	Biting Persicaria.
<i>Potentilla argentea</i>	Hoary Cinque-foil.
<i>Prunus Padus</i>	Bird Cherry.
<i>Pulicaria vulgaris</i>	Small Flea-bane.
<i>Pulmonaria</i>	Lung-wort.
<i>Ranunculus</i>	Crowfoot, Buttercup.
<i>Rumex acetosella</i>	Sheep's Sorrel.
<i>Sedum acre</i>	Biting Stonecrop.
<i>S. — telephium</i>	Orpine.
<i>Solanum dulcamara</i>	Woody Nightshade.
<i>Sparganium</i>	Bur-Reed.
<i>Spartium scorpiarium</i>	Common Broom.
<i>Statice armeria</i>	Common Thrift.
<i>Stellarea holostea</i>	Greater Stitchwort.
<i>S. — utiginosa</i>	Bog Stitchwort.
<i>Symphytum officinale</i>	Common Comfrey.
<i>Tanacetum vulgare</i>	Common Tansy.
<i>Thymus serpyllum</i>	Wild Thyme.
<i>Tussilago farfara</i>	Common Colt's Foot.
<i>Ulex Europeus</i>	Common Furze.
<i>Vaccinium</i>	Whortleberry, Bilberry.
<i>Veronica Chamedrys</i>	Germander Speedwell.
<i>Viburnum lantana</i>	Mealy Guelder Rose.

HOW TO REAR MICRO-LEPIDOPTERA FROM THE LARVÆ.

HOWEVER difficult an affair this may appear to the uninitiated, it is found in practice a matter of extreme simplicity, the main essential being to keep the food fresh as long as possible; for this purpose Mr. Gregson, of Liverpool, recommended me to use ordinary jam-pots, simply covered with pieces of plate-glass; and having now had two years experience of these simple breeding-cages, I can confidently recommend them to my readers. To ensure a tighter fit it is desirable that the top of the jam-pot be ground, our object now being to exclude the air; in these tight-fitting cages the food may be kept tolerably fresh for a week, and the collector will find that during the busy summer season he will rarely have to give a larva fresh food above two, or, at the most, three times, before it will have assumed the pupa state. It is of course desirable, as far as practicable, to keep each kind in a separate breeding cage, or, at any rate, only to have one kind of food in each cage, in order that when the perfect insect appears there may be no difficulty in ascertaining on what plant it had fed during the larva state.

The convenience of the glass is, that if a moth has hatched, it can be at once seen, without the trouble of opening every individual cage, in order to see if there is one out.

As the pupæ of the minute leaf-mining species are apt to dry up, it does not do to keep them in pasteboard or chip-boxes; they, as well as the larvæ, require to be kept in air-tight vessels, but a jam-pot is an inconvenient form for holding any number of these small pupæ, with the portions of the leaves in which they are (it rarely answers to take them entirely out of the leaves; the best plan is to cut out the mined portion of the leaf with a pair of scissors, and to keep it unopened). I have therefore adopted, for this purpose, a glass tube (a lamp-glass or gas-chimney), corked at each end—in which, if a moth makes its escape, it is easily observed without uncorking the tube; since if it be concealed among the fragments of leaves, the simple turning the tube over once or twice, the moth will become dislodged and settle on the glass.

HOW TO KILL MICRO-LEPIDOPTERA.

Gather one hundred laurel leaves, the juiciest you can find (yet they must on no account be wet when gathered); take two or three at a time and hammer them till they are well bruised; then, with a pair of sciseors, cut them into small pieces—as small as you like, and place them in an air-tight vessel, so secured by some contrivance that the pieces shall not roll about loose. On returning from a collecting ex-

pedition, place the insects, boxes and all, in the vessel along with the laurel leaves ; in five minutes they will all be dead, and can be set, when convenient, either the next day or the next week, as the moisture in the laurel leaves will prevent the insects from becoming stiff.

HOW TO SET MICRO-LEPIDOPTERA.

So much has been said and written upon this subject, that it is almost superfluous to add anything here ; but as that might disappoint any beginners who were searching for information on that point, I am induced to say a few words on the subject.

The first object is to pin* the insect. On this point Mr. Douglas has given some very useful hints in the *Zoologist* for 1851 (p. 2347), but having not yet learnt to manipulate with the pliers, I still make use of my thumb and finger in order to hold the pin ; and if the insect is *very small* I hold it by its legs between the thumb and finger of the left hand, whilst I pierce it with the pin held between the thumb and finger of the right hand ; if the insect is not very small I use a rough surface—as a piece of blotting-paper or piece of cloth—for it to lie upon and prevent its slipping about, and then cautiously insert the point of the pin in the middle of the thorax, as nearly as possible in a vertical direction. As soon as the pin is fairly through the insect, I remove it to a piece of soft cork, and, by pressing it in, push the insect as far up the pin as is required.

For setting the insects I find nothing answers as well as a piece of soft cork, papered with smooth paper, and with grooves cut to admit the bodies. The wings are placed in the required positions by the setting-needle, and are then retained in their places by a wedge-shaped thin paper brace, placed over them till a square brace of smooth cardboard is placed over the ends of the wings. The pins used in the braces should be longer than the pin which transfixes the insect, so that they can be moved without any risk of damaging the specimen by pushing against the pin which goes through it. The insects, after being set out in this way, should be left on the setting-board from one to three days (according to the size of the insects and dryness of the weather) before the braces are removed.

* The proper pins for *Micro-Lepidoptera* are No. 10, of Edelston, Crown Court, Cheapside, and No. 1, of Knight & Son, Foster Lane, Cheapside, the latter pin being used for *Argyresthia* or any thing smaller.

CONCLUSION.

IT may not, in conclusion, be useless to remind my youthful reader, that in Entomology, as in other pursuits, no real progress can be made without application and a due regard to the value of time. During the summer months it may seem quite unnecessary to remind any Entomologist of the great value of time, but a few hints on the proper distribution of his time may not be altogether thrown away.

I presume my reader to have some settled occupation that employs him for a considerable portion of the day, but that he has spare time, both before and after it. The spare time in the morning is most advantageously devoted to the pinning and setting of previous captures; the spare time in the evening is pre-eminently fitted for making fresh captures. If the time in the morning is found insufficient for setting all the captures previously made, he must *rise earlier*.

During the winter months ample occupation is found for all an Entomologist's spare time, in arranging and distributing the captures of the previous seasons and in preparing notices of his observations and more important captures for publication in the *Zoologist*.

Finally, I have only to repeat what I have stated at page 7—that I hope any Entomologist, who may discover the transformations of any of those species of which I have been unable to detect trustworthy notices in any published work, will at once communicate them to me; as, though too late to be made use of for the present volume, they will be in time for the *SECOND EDITION*, *which shall be published as soon as the whole of the FIRST is sold*. Any Entomologist thus has it in his power to hasten the appearance of the *SECOND EDITION* by promoting the sale of the *First*.

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